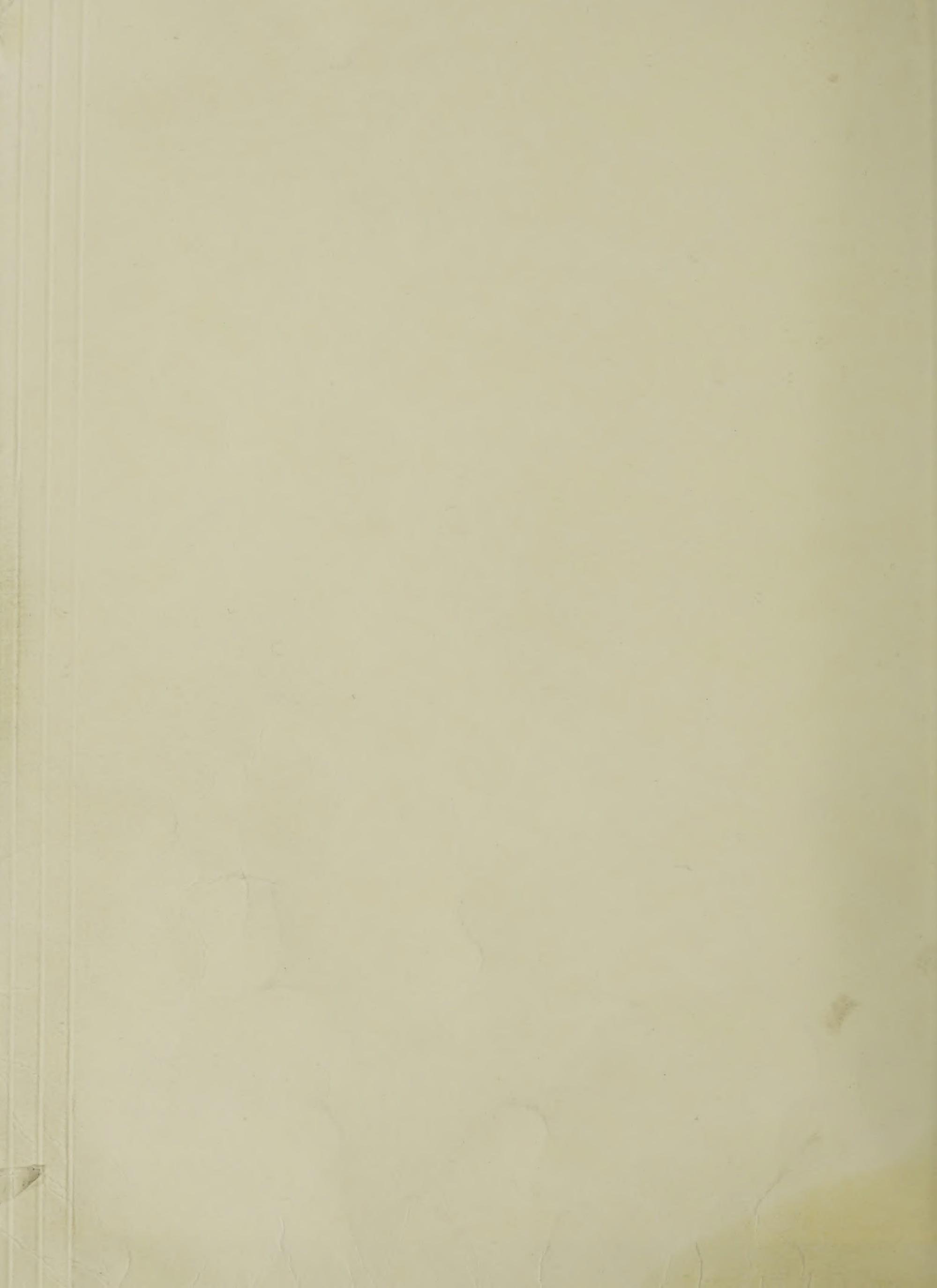


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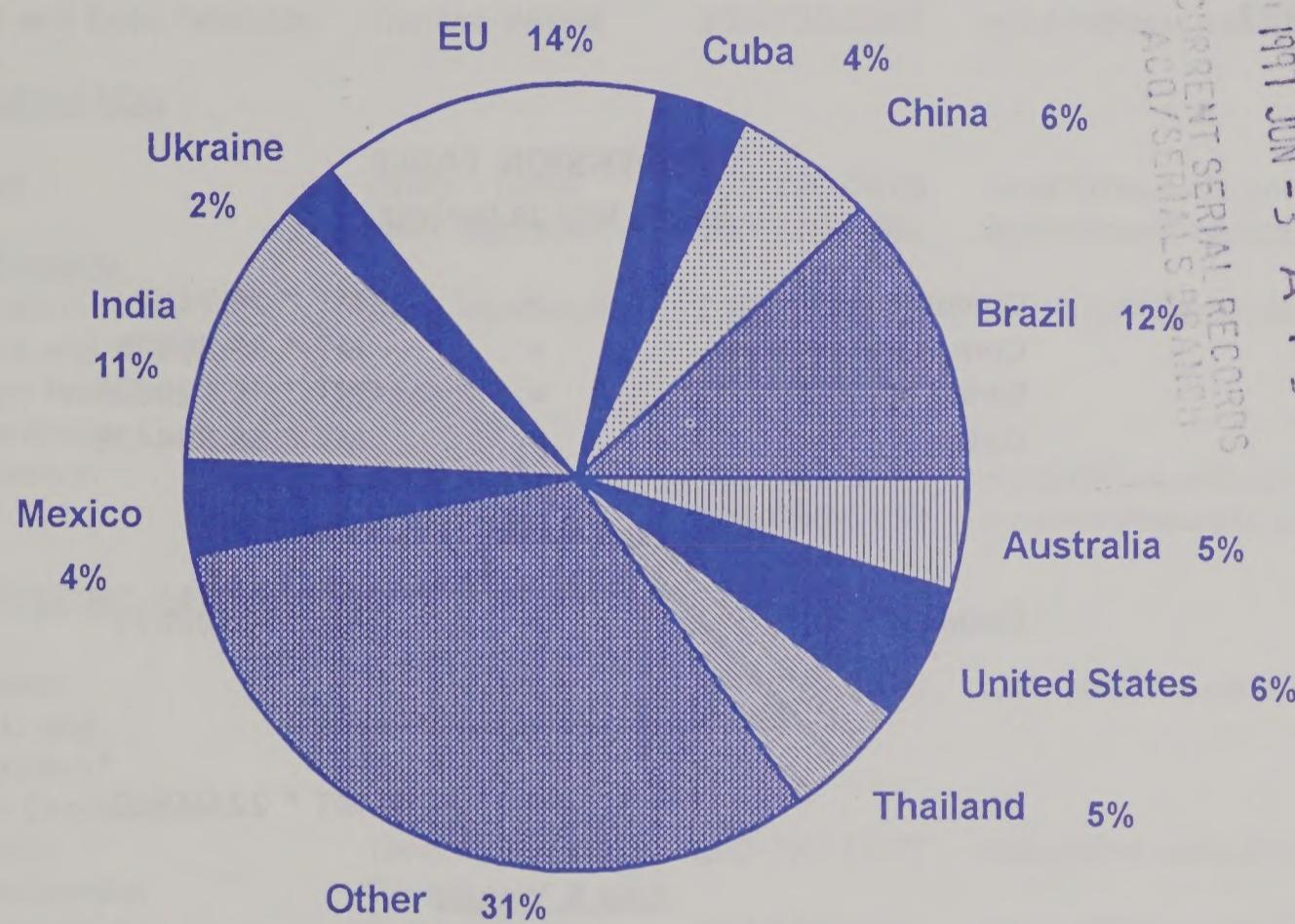
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United States  
Department of  
Agriculture  
  
Foreign  
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WAP 05-97  
May 1997

# World Agricultural Production

## World Centrifugal Sugar Production

1997/98



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This report draws on information from USDA's global network of agricultural attaches and counselors, official statistics of foreign governments, other foreign source materials, and results of office analysis. Estimates of U.S. acreage, yield, and production are from the USDA's Agricultural Statistics Board, except where noted. This report is based on unrounded data; numbers may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-326, May 12, 1997).

This report was prepared by the Production Estimates and Crop Assessment Division (PECAD), FAS/USDA, AgStop 1045, Washington, D.C. 20250-1045. Further information may be obtained by writing to the division, by calling (202) 720-0888, or by FAX (202) 720-8880.

**The next issue of World Agricultural Production will be released after 3 p.m. Eastern time on June 13, 1997.**

#### **CONVERSION TABLE**

##### Metric tons to bushels

Wheat & soybeans	=	MT * 36.7437
Corn, sorghum, rye	=	MT * 39.36825
Barley	=	MT * 45.929625
Oats	=	MT * 68.894438

##### Metric tons to 480-lb bales

Cotton	=	MT * 4.592917
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##### Metric tons to hundredweight

Rice	=	MT * 22.04622
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##### Area & Weight

1 hectare	=	2.471044 acres
1 kilogram	=	2.204622 pounds

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## NOTE

This report contains USDA's assessment of U.S. and world crop production for the 1997/98 season. Projections are based on economic analysis, trends, and judgment.

Because planting of spring crops is still underway in the Northern Hemisphere and remains several months away in the Southern hemisphere, early-season projections are highly tentative. Substantial variation may result from weather developments, economic factors, and policy changes. National Agricultural Statistics Service (NASS) forecasts are used for U.S. winter wheat. For other U.S. crops, the March 31 NASS Prospective Plantings report is used for planted acreage, and methods used to project harvested acreage and yield are noted below.

**Wheat:** For May, harvested area and yield for spring wheat (including durum) are projected using harvested-to-planted ratios and yields by state for 1992-1996. Winter wheat harvested area and yield are reported in May 12 Crop Production.

**Corn:** For May, harvested area is projected by using the relationship between planted and harvested for 1994-1996. Projected yield is derived from trend over the 1960-1996 period, adjusted for planting progress.

**Sorghum and barley:** Harvested area is projected by using the relationship between planted and harvested for 1994-1996 for sorghum and barley; and projected yield is derived from a simple linear trend fit over the 1960-1996 period.

**Oats:** Harvested area is reported in March 31, Prospective Plantings; projected yield is a 1992-1996 average.

**Rice:** Harvested area is projected using harvested-to-planted ratios by state and type of rice for 1992-1996. Projected yield is calculated using the olympic average (high and low years excluded) for 1992-1996 weighted by state and type of rice. The calculated yield is adjusted downward to reflect the effect of late plantings in Texas and the expectation that Texas yields will be below average.

**Soybeans:** Harvested area based on average planted-to-harvested ratios. Projected yield is based on U.S. trends since the mid-1980's.

**Cotton:** Projected harvested area is based on 1992-1996 average acreage abandonment by state. Projected yield is based on 1967-1996 state trends, weighted by area.

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**PRODUCTION HIGHLIGHTS FOR 1997/98**

**May 1997**

**WHEAT**

<u>Country</u>	1997/98			Change	<u>Comments</u>
	Current Estimate MMT	Monthly Change MMT	Monthly Change (%)	From 1996/97 (%)	
World	578.4	NA	NA	-0	Production is forecast lower due to reduced output in both the United States and the total foreign category.
United States	61.6	NA	NA	-1	Production is forecast lower due to a decline in harvested area.
Total Foreign	516.9	NA	NA	-0	Production is forecast lower due mainly to reductions in Australia, Canada, Argentina, and Northwest Africa.
Algeria	0.8	NA	NA	-64	Production is forecast lower due to drought which reduced area and yield potential.
Morocco	2.5	NA	NA	-58	Production is forecast lower due to an excessively wet fall that reduced area and an extended dry growing season that lowered yield prospects.
Tunisia	0.9	NA	NA	-55	Production is forecast lower due to unfavorably dry weather that reduced area and yield prospects.
Brazil	2.5	NA	NA	-22	Production is forecast lower due to a reduction in area based on weaker domestic prices. Wheat planting has commenced under dry conditions.
Australia	18.5	NA	NA	-21	Production is forecast lower based on a return to average yield, a reduction from last season's record. Area remains unchanged from 1996/97.
Canada	26.0	NA	NA	-15	Production is forecast lower due to a normal rotation into canola and favorable canola prices. Yield is forecast to be near-average. Some planting in Manitoba will be delayed due to recent flooding.
Argentina	14.0	NA	NA	-12	Production is forecast lower. Area is forecast down from last year's near-record level. Fertilizer use is expected to be high again this season.
Iran	10.5	NA	NA	-5	Production is forecast lower due to reduced area and yield caused by pockets of dry weather and below-normal temperatures.

**WHEAT, continued**

<u>Country</u>	1997/98				<u>Comments</u>
	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change (%)</u>	<u>From 1996/97 (%)</u>	
	MMT	MMT	(%)		
Pakistan	16.0	NA	NA	-5	Production is forecast lower due to reduced area and yield. Dry weather at the initial stages of crop development, declining use of inputs, and excessive rainfall near harvest reduced yield potential.
European Union	97.9	NA	NA	-1	Production is forecast lower as yield is expected to retract from its 1996/97 record level. Harvested area is forecast at a record, up 3 percent from 1996/97. France, Germany, and the United Kingdom are forecast to have large crops, while Spain's crop is suffering from drought.
Turkey	16.0	NA	NA	NC	Production is forecast unchanged from last season; however, harvested area is slightly higher.
Ukraine	17.5	NA	NA	+30	Production is forecast higher as area and yield are estimated above last season's level. Currently, winter wheat is in good condition.
Eastern Europe	33.2	NA	NA	+27	Production is forecast higher due to increased harvested area and yield. Wheat output in Poland and Albania is forecast nearly unchanged from 1996/97, while output in Romania, Bulgaria, and Hungary is projected above last season.
Saudi Arabia	1.5	NA	NA	+25	Production is forecast up resulting from the Government's increase in the production quota to rebuild stocks.
Kazakstan	8.5	NA	NA	+10	Production is forecast higher. Yields are projected to rebound from last season's drought reduced level.
Mexico	3.4	NA	NA	+6	Production is forecast higher due to increased area in the irrigated northwestern wheat-growing region.
China	114.0	NA	NA	+5	Production is forecast at a record due to increases in yield and area. Weather has been ideal for the winter crop, and conditions are generally favorable for spring wheat plantings.
Egypt	5.9	NA	NA	+3	Production is forecast above last year's crop as irrigation supplies were adequate this season.
India	64.5	NA	NA	+3	Production is forecast at a bumper level due to increased area and yield. Harvest activity has started.

### WHEAT, continued

<u>Country</u>	----- 1997/98 -----				<u>Comments</u>
	Current Estimate	Monthly Change	Monthly Change	From 1996/97	
	MMT	MMT	(%)	(%)	
Russia	35.0	NA	NA	+0	Production is forecast at virtually the same level as 1996/97 due to a decrease in area, but increase in yield. Below-normal levels of winterkill have been reported.

### COARSE GRAINS

<u>Country</u>	----- 1997/98 -----				<u>Comments</u>
	Current Estimate	Monthly Change	Monthly Change	From 1996/97	
	MMT	MMT	(%)	(%)	
World	898.9	NA	NA	-0	Production is forecast down marginally as a decrease in the total foreign category more than offset an increase in the United States.
United States	278.4	NA	NA	+4	Production is forecast higher as increases in corn, oats, and rye more than offset decreases in barley and sorghum.
Total Foreign	620.5	NA	NA	-2	Production is lower due mainly to reductions in China, Argentina, and Canada.
Iran	2.8	NA	NA	-12	Production is forecast lower due to decline in barley area and yield.
Argentina	15.8	NA	NA	-11	Production is forecast lower as corn area and yield are projected to decline. Input use is expected to be strong.
Australia	8.6	NA	NA	-6	Production is forecast lower as yields are forecast to return to average levels. Barley output is projected lower, while sorghum is higher.
Canada	26.8	NA	NA	-5	Production is forecast down from 1996/97. According to a Statistics Canada report, barley, rye, and oat areas are lower due to an increase in canola area. Corn area is projected higher than last season.
China	135.2	NA	NA	-4	Production is forecast below the 1996/97 record level. Corn output is forecast lower due to a reduction in area.
Kazakstan	3.1	NA	NA	-3	Production is forecast below last season's level as barley area continues to decline.

**COARSE GRAINS, continued**

Country	1997/98				Change From 1996/97 (%)	Comments
	Current Estimate MMT	Monthly Change MMT	Monthly Change (%)	Change From 1996/97 (%)		
Russia	30.9	NA	NA	-3	Production is forecast lower as oat and rye area continue to decrease. Corn and barley output are forecast higher.	
European Union	102.0	NA	NA	-2	Production is forecast down from 1996/97. Harvested area is forecast up 2 percent from 1996/97; however, yield is projected below last season's record level. Corn output is forecast at a record level due primarily to continued bumper crops in Italy and France. Barley production is forecast lower mainly due to drought in Spain.	
Thailand	4.2	NA	NA	NC	Production is forecast unchanged from 1996/97.	
Ukraine	13.3	NA	NA	+40	Production is forecast sharply higher than last year's drought-reduced season. Harvested area for barley is lower, but higher for corn.	
Turkey	10.3	NA	NA	+4	Production is forecast up from 1996/97 due to an increase in corn area. Barley production prospects are unchanged from last season.	
South Africa	9.2	NA	NA	+4	Production is forecast higher. Corn output is raised slightly due to increased yield, while area is projected to decline.	
Eastern Europe	50.8	NA	NA	+2	Production is forecast to be larger than last season. Barley production is forecast up from 1996/97 in Bulgaria, Poland, Hungary, and Romania. Corn production is forecast to decline in Hungary and Romania.	
Mexico	26.0	NA	NA	+2	Production is forecast up from 1996/97. Average yield is forecast for corn, while area is forecast to increase slightly.	

**RICE (MILLED BASIS)**

**RICE (MILLED BASIS) FORECAST FOR 1997/98:** World production is forecast at 377.3 million tons, virtually unchanged from 1996/97. Foreign production for 1997/98 is forecast at 372.0 million tons, up 0.2 million or less than 1 percent from 1996/97. Rice production in the United States is forecast at 5.3 million tons, down 0.3 million or 5 percent from 1996/97.

## OILSEEDS

OILSEEDS FORECAST FOR 1997/98: World oilseed production is forecast at 273.0 million tons, up 15.2 million or 6 percent from 1996/97. Foreign production for 1997/98 is forecast at a record 192.2 million tons, up 9.2 million or 5 percent from last year. Total oilseed production in the United States is forecast at 80.8 million tons, up 5.9 million or 8 percent from last year.

## COTTON

COTTON FORECAST FOR 1997/98: World cotton production is forecast at 87.5 million bales, down 0.4 million or less than 1 percent from 1996/97. Total foreign production is forecast at 69.0 million bales, nearly the same as 1996/97. U.S. production is forecast at 18.5 million bales, down 0.4 million or 2 percent from 1996/97.

## PRODUCTION HIGHLIGHTS FOR 1996/97

### WHEAT

<u>Country</u>	1996/97			Change From 1995/96 (%)	<u>Comments</u>
	<u>Current Forecast</u> MMT	<u>Monthly Change</u> MMT	<u>Monthly Change</u> (%)		
World	581.2	-0.3	-0	+8	Production for 1996/97 is estimated lower due to a decline in total foreign output.
United States	62.1	NC	NC	+5	No change this month.
Total Foreign	519.1	-0.3	-0	+8	Production is estimated lower as declines in the EU-15 and Iran more than offset an increase in Argentina.

### COARSE GRAINS

<u>Country</u>	1996/97			Change From 1995/96 (%)	<u>Comments</u>
	<u>Current Estimate</u> MMT	<u>Monthly Change</u> MMT	<u>Monthly Change</u> (%)		
World	899.9	+3.7	+0	+13	Production for the 1996/97 crop is estimated higher this month due to an increase in the total foreign category.
United States	267.6	NC	NC	+28	No change this month.
Total Foreign	632.4	+3.7	+1	+7	Production is estimated higher for China and India which more than offset declines for the EU-15, South Africa, and Chile.

### RICE (MILLED BASIS)

<u>Country</u>	1996/97			Change From 1995/96 (%)	<u>Comments</u>
	Current Estimate MMT	Monthly Change MMT	Monthly Change (%)		
World	377.4	+ 0.5	+ 0	+ 2	Production is estimated higher due to an increase in the total foreign category.
United States	5.6	NC	NC	-1	No change this month.
Total Foreign	371.8	+ 0.5	+ 0	+ 2	Production is estimated higher due to an increase in India.
India	80.5	+ 0.5	+ 1	+ 1	Production is estimated at higher based on preliminary estimates from the major producing states.

### OILSEEDS

<u>Country</u>	1996/97			Change From 1995/96 (%)	<u>Comments</u>
	Current Estimate MMT	Monthly Change MMT	Monthly Change (%)		
World	257.8	-1.7	-0	+ 0	Production is estimated lower due to reductions in both the United States and the total foreign category.
United States	74.8	-0.1	-0	+ 8	Production is estimated lower due to a reduction in cottonseed yield.
Total Foreign	183.0	-1.5	-1	-2	Production is forecast lower mainly due to downward revisions for soybean and sunflowerseed estimates in South America.
Argentina	18.6	-1.2	-6	-4	Production is estimated lower based on reduced soybean, sunflowerseed, and peanut yields. Extended dryness in southern Santa Fe and Cordoba lowered yield prospects.
Brazil	27.2	-0.5	-2	+ 11	Production is estimated lower due to dry conditions in Rio Grande do Sul which reduced soybean yields. Near-average yields are projected for the other soybean growing regions.
Bolivia	1.0	-0.2	-0	+ 1	Production is estimated lower resulting from dry conditions which reduced yield expectations to slightly below average. Production is still projected to be a record.

### OILSEEDS, continued

<u>Country</u>	1996/97				Change From 1995/96 (%)	<u>Comments</u>
	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>1995/96</u>		
	MMT	MMT	(%)			
Paraguay	2.8	-0.1	-4	+4	Production is estimated lower due to dry conditions which reduced soybean yield.	
China	40.9	+0.5	+1	-5	Production is estimated higher based on an increase in soybean area. Government sources indicate that harvested soybean area is above earlier expectations.	

### PALM OIL

<u>Country</u>	1996/97				Change From 1995/96 (%)	<u>Comments</u>
	<u>Current Forecast</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>1995/96</u>		
	MMT	MMT	(%)			
World	16.7	NC	NC	+6	No change this month. Production is forecast at a record.	

### COTTON

<u>Country</u>	1996/97				Change From 1995/96 (%)	<u>Comments</u>
	<u>Current Estimate</u>	<u>Monthly Change</u>	<u>Monthly Change</u>	<u>1995/96</u>		
	MBALES	MBALES	(%)			
World	88.0	-0.2	-0	-5	Production is forecast lower due to declines in the United States and the total foreign category.	
United States	19.9	-0	-0	+6	Production is estimated lower due to a reduction in yield.	
Total Foreign	69.0	-0.2	-0	-7	Production is forecast lower due to reductions in Argentina and Paraguay which more than offset an increase in Australia.	
Argentina	1.7	-0.2	-11	-12	Production is forecast lower due to dry spells in January and March which reduced yield potential.	
Australia	2.6	+0.1	+4	+35	Production is forecast higher resulting from improved yield prospects as pre-harvest and harvest weather has been excellent.	

TABLE 1

## U.S. Crop Acreage, Yield, and Production

COMMODITY	Planted Area			Harvested Area			Yield			Production		
	Prel.	Proj.	Prel.	Proj.	Prel.	Proj.	Prel.	1997/98 Proj.	Prel.	1996/97	1995/96	1997/98 Proj.
	1995/96	1996/97	1997/98	1995/96	1996/97	1997/98	1995/96	1996/97	1995/96	1996/97	1995/96	May
--Million acres--												
All Wheat	69.1	75.6	69.2	60.9	62.9	61.0	35.8	36.3	37.1	2,183	2,282	2,261
Winter	48.7	52.0	48.2	41.0	39.7	40.8	37.7	37.2	38.2	1,545	1,478	1,561
Other	20.4	23.6	21.0	19.9	23.2	20.2	32.1	34.7	34.7	638	804	700
Soybeans	62.6	64.2	68.8	61.6	63.4	67.5	35.3	37.6	38.5	2,177	2,382	2,600
Corn	71.2	79.5	81.4	65.0	73.1	75.1	113.5	127.1	131.0	7,374	9,293	9,840
Sorghum	9.5	13.2	10.9	8.3	11.9	9.8	55.6	67.5	67.6	460	803	665
Barley	6.7	7.2	7.0	6.3	6.8	6.6	57.3	58.5	59.7	360	397	395
Oats	6.3	4.7	5.3	3.0	2.7	3.2	54.7	57.8	58.0	162	155	187
--Pounds per acre--												
Rice	3.1	2.8	2.9	3.1	2.8	2.8	5,621	6,121	5,762	173.9	171.3	162.5
All Cotton	16.9	14.6	14.5	16.0	12.9	13.3	536	707	670	17.9	18.9	18.5

May 1997

Production Estimates and Crop Assessment Division, FAS, USDA

**TABLE 2**  
**World Crop Production Summary**

Commodity	World	Total Foreign	North America			Europe			Asia			South America			Selected Other		
			United States	Canada	Mexico	Europe Union	Oth. Europe	W. Europe	China	India	Indo-nesia	Paki-stan	Thai-land	Argen-tina	Aus-tralia	South Africa	Turkey
---Million metric tons---																	
<u>Wheat</u>																	
1995/96	538.4	479.0	59.4	25.0	3.2	86.2	1.3	35.0	59.3	102.2	65.5	0.0	17.0	0.0	9.2	17.0	2.0
1996/97 prel.	581.2	519.1	62.1	30.5	3.5	99.0	2.2	26.2	63.0	109.0	62.6	0.0	16.9	0.0	15.9	3.2	23.5
1997/98 proj.																	2.7
<u>May</u>	578.4	516.9	61.5	26.0	3.4	97.9	0.8	33.2	68.2	114.0	64.5	0.0	16.0	0.0	14.0	2.5	18.5
<u>Coarse Grains</u>																	
1995/96	798.3	588.8	209.4	24.1	23.8	88.4	2.7	52.0	57.4	124.5	29.7	6.0	1.8	3.9	14.1	33.2	9.4
1996/97 prel.	899.9	632.4	267.6	28.4	25.5	103.7	3.6	49.7	52.3	140.6	33.1	6.6	1.9	4.2	17.8	37.8	9.1
1997/98 proj.																	
<u>May</u>	898.9	620.5	278.4	26.8	26.0	102.0	3.0	50.8	55.4	135.2	32.7	6.8	1.9	4.2	15.8	35.8	8.6
<u>Rice (Milled)</u>																	
1995/96	371.5	365.8	5.6	0.0	0.2	2.5	0.0	0.0	0.9	129.7	79.5	32.8	3.9	14.4	0.6	6.8	0.7
1996/97 prel.	377.4	371.8	5.6	0.0	0.3	1.6	0.0	0.0	0.9	133.7	80.5	33.5	4.3	13.9	0.7	6.2	1.1
1997/98 proj.																	
<u>May</u>	377.3	372.0	5.3														
<u>Total Grains 1/</u>																	
1995/96	1708.1	1433.7	274.5	49.2	27.3	177.1	4.0	87.1	117.6	356.4	174.6	38.8	22.8	18.3	23.9	41.6	27.0
1996/97 prel.	1858.6	1523.3	335.3	58.9	29.2	204.3	5.8	76.0	116.1	383.3	176.2	40.1	23.0	18.1	34.4	47.2	33.6
1997/98 proj.																	
<u>May</u>	1854.6	1509.4	345.3														
<u>Oilseeds 2/</u>																	
1994/95	260.7	181.0	79.7	9.6	0.8	12.7	0.1	4.1	8.7	42.2	23.2	2.8	3.2	0.6	19.2	27.0	1.0
1995/96 prel.	256.4	187.3	69.1	8.8	0.6	13.2	0.1	5.3	11.3	43.2	24.8	2.6	4.0	0.6	19.2	24.5	1.4
1996/97 proj.																	
<u>Apr.</u>	259.5	184.5	74.9	7.3	0.7	12.9	0.1	4.8	8.6	40.4	25.1	2.6	3.5	0.6	19.8	27.7	1.7
<u>May</u>	257.8	183.0	74.8	7.3	0.7	12.9	0.1	4.7	8.6	40.9	25.1	2.5	3.5	0.6	18.6	27.2	1.7
<u>Cotton</u>																	
1994/95	85.5	65.9	19.7	0.0	0.5	2.0	0.0	0.0	8.8	19.9	10.8	0.0	6.3	0.0	1.6	2.5	1.5
1995/96 prel.	92.2	74.3	17.9	0.0	0.9	2.2	0.0	0.0	8.3	21.9	12.6	0.0	8.2	0.0	1.9	1.8	1.9
1996/97 proj.																	
<u>Apr.</u>	88.1	69.2	19.0	0.0	1.2	1.8	0.0	0.0	6.5	19.3	12.5	0.0	7.1	0.0	1.9	1.4	2.5
<u>May</u>	87.9	69.0	18.9	0.0	1.2	1.8	0.0	0.0	6.5	19.3	12.5	0.0	7.1	0.0	1.7	1.4	2.6

1/ Includes wheat, coarse grains, and rice (milled) shown above.

2/ Includes soybean, cottonseed, peanut (inshell), sunflowerseed, rapeseed for individual countries. Copra and palm kernel are added to world totals.

Note: Entries of 0.0 indicate no reported or insignificant production.

**TABLE 3**  
**Wheat Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area		Yield		Production		Change in Production	
	Prel.	1997/98 Proj.	Prel.	1997/98 Proj.	Prel.	1997/98 Proj.	May	From last year
	1995/96	1996/97	1995/96	1996/97	1995/96	1996/97	MMT	Percent
<b>Million hectares</b>								
World	219.63	230.82	227.97	2.45	2.52	538.39	581.24	578.44
United States	24.66	25.44	24.69	2.41	2.44	2.49	62.10	61.55
Total Foreign	194.97	205.38	203.29	2.46	2.53	2.54	519.14	516.89
<b>Metric tons per hectare</b>								
Major Exporters	41.80	47.33	46.28	3.29	3.57	3.38	137.37	168.90
European Union	16.16	16.78	17.28	5.33	5.90	5.66	86.16	99.00
France	4.75	5.02	5.20	6.50	7.14	6.73	30.86	35.86
United Kingdom	1.86	1.98	2.13	7.70	8.12	7.98	14.31	16.04
Germany	2.58	2.59	2.70	6.89	7.29	7.22	17.76	18.92
Canada	11.14	12.65	11.70	2.25	2.41	2.22	25.04	30.50
Australia	9.72	11.00	11.00	1.75	2.14	1.68	16.98	23.50
Argentina	4.78	6.90	6.30	1.92	2.30	2.22	9.20	15.90
Major Importers	88.13	92.94	92.58	2.34	2.31	2.46	205.81	214.38
China	28.86	29.50	30.00	3.54	3.69	3.80	102.22	109.00
FSU-12	45.36	48.16	47.61	1.31	1.31	1.43	59.32	62.97
Russia	23.91	25.72	25.00	1.26	1.36	1.40	30.10	34.90
Ukraine	5.48	6.25	6.50	2.97	2.16	2.69	16.27	13.50
Kazakhstan	12.55	12.20	12.20	0.52	0.63	0.70	6.49	7.70
Baltic States	0.41	0.55	0.50	2.36	2.48	2.24	0.96	1.36
Eastern Europe	9.71	8.70	9.61	3.60	3.01	3.45	34.97	26.22
Poland	2.41	2.46	2.45	3.60	3.46	3.47	8.66	8.51
Romania	2.42	1.80	2.30	3.18	1.78	3.04	7.70	3.20
Egypt	1.06	1.02	1.01	5.40	5.64	5.84	5.70	5.74
Morocco	1.70	3.22	2.30	0.65	1.83	1.09	1.10	5.90
Brazil	1.03	1.80	1.55	1.49	1.78	1.61	1.54	3.20
Other Foreign	65.04	65.11	64.44	2.09	2.09	2.07	135.81	135.86
India	25.60	25.10	25.40	2.56	2.49	2.54	65.47	62.62
Turkey	8.55	8.45	8.50	1.81	1.89	1.88	15.50	16.00
Pakistan	8.17	8.38	8.10	2.08	2.02	1.98	17.00	16.91
Mexico	0.87	0.80	0.85	3.98	4.00	4.00	3.46	3.20
Saudi Arabia	0.47	0.27	0.33	4.30	4.53	4.55	2.00	1.50
South Africa	1.36	1.29	1.30	1.43	2.09	1.92	1.95	2.70
Others	20.02	20.82	19.96	1.52	1.60	1.47	30.43	33.23

TABLE 4

# Total Coarse Grain Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area			Yield			Production			Change in Production	
	Prel.	1996/97	May	1995/96	1996/97	May	Prel.	1997/98 Proj.	May	MMT	Percent
	Million hectares			Metric tons per hectare			Million metric tons				
World	311.43	319.31	314.94	2.56	2.82	2.85	798.28	899.93	898.87	-1.06	-0.12
United States	33.55	38.39	38.51	6.24	6.97	7.23	209.44	267.58	278.41	10.83	4.05
Total Foreign	277.88	280.92	276.43	2.12	2.25	2.24	588.84	632.35	620.46	-11.89	-1.88
Major Exporters	21.70	23.01	22.24	2.88	2.97	2.90	62.46	68.24	64.56	-3.68	-5.39
Canada	6.97	8.03	7.78	3.46	3.53	3.45	24.12	28.36	26.83	-1.53	-5.40
Argentina	3.95	4.47	4.09	3.57	3.98	3.88	14.09	17.79	15.84	-1.96	-11.00
Australia	5.17	4.81	4.86	1.81	1.89	1.76	9.36	9.07	8.56	-0.51	-5.63
South Africa	4.32	4.34	4.21	2.54	2.03	2.17	10.99	8.83	9.15	0.32	3.62
Thailand	1.30	1.36	1.31	3.00	3.09	3.21	3.90	4.20	4.20	0.00	0.00
Major Importers	90.07	86.82	85.59	2.50	2.71	2.78	225.27	235.60	238.34	2.75	1.17
FSU-12	43.80	38.93	37.13	1.31	1.34	1.49	57.36	52.28	55.43	3.15	6.03
Russia	27.21	24.85	23.50	1.13	1.28	1.31	30.70	31.80	30.90	-0.90	-2.83
Ukraine	6.90	5.83	6.00	2.26	1.63	2.22	15.61	9.50	13.30	3.80	40.00
Kazakhstan	5.81	4.55	3.87	0.47	0.71	0.81	2.76	3.23	3.12	-0.11	-3.41
Baltic States	1.28	1.19	1.16	1.61	2.22	2.06	2.05	2.63	2.39	-0.24	-9.16
European Union	18.48	19.66	20.14	4.78	5.27	5.07	88.38	103.69	102.00	-1.69	-1.63
Germany	3.95	4.11	4.34	5.60	5.64	5.60	22.10	23.21	24.30	1.09	4.68
France	3.42	3.65	3.73	6.41	7.04	6.83	21.92	25.70	25.47	-0.23	-0.91
Eastern Europe	16.31	16.17	16.08	3.19	3.08	3.16	52.04	49.75	50.81	1.06	2.14
Poland	6.17	6.17	6.19	2.79	2.67	2.71	17.24	16.50	16.79	0.28	1.73
Romania	3.96	4.05	3.88	3.05	2.73	2.85	12.08	11.05	11.06	0.01	0.09
Czech Rep.	0.72	0.81	0.82	3.73	3.55	3.80	2.70	2.86	3.12	0.26	9.28
Mexico	9.83	10.50	10.70	2.43	2.43	2.43	23.85	25.50	26.00	0.50	1.96
Other W. Europe	0.38	0.37	0.38	4.24	4.72	4.51	1.60	1.75	1.72	-0.03	-1.82
Other Foreign	166.11	171.09	168.60	1.81	1.92	1.88	301.12	328.51	317.55	-10.96	-3.34
China	27.33	28.88	27.98	4.56	4.87	4.83	124.50	140.63	135.15	-5.48	-3.90
India	31.48	32.18	32.18	0.94	1.03	1.02	29.69	33.05	32.70	-0.35	-1.06
Brazil	14.33	14.81	14.59	2.32	2.56	2.45	33.24	37.83	35.81	-2.03	-5.35
Turkey	4.50	4.68	4.78	2.08	2.12	2.16	9.36	9.93	10.33	0.40	4.03
Indonesia	3.53	3.55	3.58	1.70	1.86	1.90	6.00	6.60	6.80	0.20	3.03
Philippines	2.76	2.73	2.70	1.57	1.56	1.56	4.32	4.25	4.20	-0.05	-1.18
Others	82.17	84.26	82.80	1.14	1.14	1.12	94.01	96.22	92.57	-3.65	-3.80

**TABLE 5**  
**Corn Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area		Yield		Production		Change in Production			
	1995/96	1996/97	Prel.	1997/98 Proj.	Prel.	1997/98 Proj.	May	MMT	Percent	
			1995/96	1996/97	1995/96	1996/97				
World	134.37	140.97	141.70	3.84	4.18	4.22	515.83	588.79	9.70	1.65
United States	26.30	29.60	30.40	7.12	7.97	8.22	187.31	236.06	13.88	5.88
Total Foreign	108.07	111.37	111.30	3.04	3.17	3.13	328.53	352.73	-4.18	-1.19
Major Exporters	7.14	7.86	7.35	3.50	3.41	3.47	25.00	26.80	25.50	-4.85
Argentina	2.70	3.30	3.00	4.11	4.39	4.33	11.10	14.50	13.00	-10.34
South Africa	3.30	3.36	3.20	3.09	2.47	2.66	10.20	8.30	8.50	2.41
Thailand	1.14	1.20	1.15	3.25	3.33	3.48	3.70	4.00	4.00	0.00
Major Importers	21.05	21.50	22.33	3.79	3.92	3.89	79.84	84.31	86.85	2.54
Eastern Europe	6.95	7.03	6.83	3.65	3.65	3.63	25.37	25.71	24.80	-0.91
Romania	3.12	3.30	3.10	3.18	2.91	2.90	9.92	9.60	9.00	-0.60
Yugoslavia	2.10	2.10	2.10	3.95	3.81	3.81	8.30	8.00	8.00	0.00
European Union	3.73	4.08	4.16	7.81	8.48	8.35	29.11	34.59	34.73	0.14
France	1.62	1.70	1.70	7.61	8.38	8.24	12.35	14.21	14.00	-0.21
Italy	0.94	1.01	1.05	8.97	9.48	9.52	8.45	9.60	10.00	0.40
Mexico	7.80	8.20	8.50	2.28	2.32	2.29	17.78	19.00	19.50	0.50
FSU-12	2.47	2.10	2.75	2.84	2.16	2.66	7.01	4.54	7.34	2.80
Russia	0.64	0.70	0.80	2.64	1.57	2.25	1.70	1.10	1.80	0.70
Ukraine	1.16	0.70	1.20	2.92	2.71	2.92	3.39	1.90	3.50	1.60
Other W. Europe	0.03	0.02	0.03	8.65	8.96	8.80	0.23	0.22	0.22	0.00
Others	0.08	0.07	0.07	4.60	3.96	3.96	0.35	0.27	0.27	0.00
Other Foreign	79.88	82.01	81.62	2.80	2.95	2.89	223.68	241.62	236.19	-5.42
China	22.77	24.30	23.50	4.92	5.23	5.19	112.00	127.00	122.00	-5.00
Brazil	13.77	14.20	14.00	2.36	2.61	2.50	32.48	37.00	35.00	-2.00
India	6.01	6.10	6.10	1.57	1.66	1.64	9.44	10.10	10.00	-0.10
Canada	1.00	1.04	1.13	7.25	6.92	7.11	7.27	7.20	8.00	0.80
Indonesia	3.53	3.55	3.58	1.70	1.86	1.90	6.00	6.60	6.80	0.20
Philippines	2.76	2.73	2.70	1.57	1.56	1.56	4.32	4.25	4.20	-0.05
Egypt	0.90	0.92	0.93	5.93	5.89	5.89	5.35	5.44	5.45	0.01
Zimbabwe	1.55	1.40	1.40	1.68	1.57	1.43	2.60	2.20	2.00	-0.20
Others	27.59	27.76	28.29	1.60	1.51	1.51	44.22	41.83	42.74	0.92

**TABLE 6**  
**Barley Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area		Yield		Production		Change in Production		
	Prel.	1997/98 Proj.	Prel.	1997/98 Proj.	Prel.	1997/98 Proj.	May	From last year	
	1995/96	1996/97	1995/96	1996/97	1995/96	1996/97	May	MMT	Percent
<b>Million hectares</b>									
World	68.86	66.37	64.40	60.06	2.31	2.30	141.65	153.17	148.13
United States	2.54	2.75	2.68	3.08	3.15	3.21	7.83	8.64	8.60
Total Foreign	66.32	63.62	61.72	2.02	2.27	2.26	133.82	144.53	139.53
<b>Metric tons per hectare</b>									
European Union	10.77	11.40	11.66	4.06	4.55	4.27	43.71	51.84	49.77
Denmark	0.72	0.79	0.82	5.40	5.30	5.12	3.86	4.19	4.20
France	1.39	1.53	1.60	5.56	6.22	5.94	7.74	9.50	9.50
Germany	2.11	2.21	2.30	5.64	5.47	5.43	11.89	12.07	12.50
Italy	0.38	0.34	0.30	3.64	3.82	3.67	1.39	1.30	1.10
Spain	3.30	3.53	3.50	1.58	2.72	2.00	5.20	9.60	7.00
United Kingdom	1.19	1.27	1.33	5.73	6.13	6.02	6.83	7.77	8.00
FSU-12	25.87	20.93	20.28	1.21	1.34	1.48	31.40	27.99	30.10
Russia	14.71	11.85	12.00	1.07	1.34	1.38	15.80	15.90	16.50
Ukraine	4.41	3.75	3.50	2.18	1.52	2.14	9.63	5.70	7.50
Kazakstan	4.79	3.60	3.00	0.45	0.75	0.83	2.18	2.70	2.50
Baltic States	0.94	0.80	0.73	1.56	2.32	2.10	1.46	1.85	1.53
Eastern Europe	3.41	3.35	3.55	3.30	2.89	3.25	11.25	9.70	11.53
Poland	1.05	1.12	1.20	3.13	3.06	3.08	3.28	3.42	3.70
Czech Rep.	0.56	0.65	0.65	3.84	3.54	3.85	2.14	2.30	2.50
Romania	0.57	0.50	0.55	2.98	2.20	3.09	1.70	1.10	1.70
Canada	4.37	4.93	4.70	2.99	3.23	2.98	13.04	15.90	14.00
Other W. Europe	0.23	0.23	0.23	3.82	4.38	4.13	0.88	1.01	0.95
Norway	0.18	0.18	0.18	3.29	3.69	3.71	0.58	0.65	0.65
Turkey	3.55	3.65	3.65	1.94	1.97	1.97	6.90	7.20	7.20
Australia	3.20	3.26	3.20	1.72	1.87	1.72	5.50	6.08	5.50
China	1.28	1.30	1.30	3.19	3.08	3.08	4.09	4.00	4.00
Morocco	1.30	2.43	1.80	0.46	1.56	0.83	0.60	3.80	1.50
India	0.89	0.88	0.88	1.94	1.88	1.93	1.73	1.65	1.70
Others	10.51	10.46	9.75	1.26	1.29	1.21	13.26	13.52	11.75

**TABLE 7**  
**Oats Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area		Yield		Production		Change in Production			
	1995/96	1996/97	Prel.	1997/98 Proj.	May	1995/96	1996/97	Proj. May	From last year	
									MMT	Percent
									Million metric tons	
World	18.49	17.59	16.81	1.56	1.73	1.73	28.90	30.49	29.02	-1.47 -4.83
United States	1.20	1.09	1.31	1.96	2.07	2.08	2.35	2.25	2.71	0.46 20.46
Total Foreign	17.29	16.50	15.50	1.53	1.71	1.70	26.55	28.24	26.30	-1.94 -6.85
FSU-12	9.34	8.22	7.22	1.14	1.22	1.25	10.69	10.00	9.03	-0.97 -9.70
Russia	7.93	6.93	6.00	1.08	1.20	1.17	8.60	8.30	7.00	-1.30 -15.66
Ukraine	0.56	0.53	0.50	1.99	1.32	2.00	1.12	0.70	1.00	0.30 42.86
Belarus	0.33	0.30	0.30	2.12	2.33	2.33	0.70	0.70	0.70	0.00 0.00
Baltic States	0.13	0.15	0.15	1.64	2.03	2.00	0.22	0.31	0.30	-0.01 -2.60
Maj. Foreign Exporters	2.66	2.84	2.80	1.94	2.22	2.08	5.15	6.31	5.80	-0.51 -8.08
Canada	1.20	1.68	1.63	2.38	2.60	2.46	2.86	4.38	4.00	-0.38 -8.57
Australia	1.18	0.91	0.92	1.64	1.78	1.63	1.94	1.62	1.50	-0.12 -7.41
Argentina	0.28	0.25	0.25	1.27	1.26	1.20	0.35	0.32	0.30	-0.01 -4.76
Other Foreign	5.49	5.66	5.72	2.11	2.27	2.18	11.59	12.88	12.47	-0.41 -3.17
China	0.54	0.55	0.55	1.19	1.18	1.18	0.64	0.65	0.65	0.00 0.00
European Union	1.82	1.94	1.96	3.20	3.54	3.27	5.83	6.87	6.39	-0.48 -6.94
France	0.15	0.14	0.13	4.14	4.41	4.23	0.62	0.62	0.55	-0.07 -11.58
Germany	0.31	0.30	0.30	4.60	5.32	5.00	1.42	1.61	1.50	-0.11 -6.60
Italy	0.14	0.14	0.13	2.23	2.51	2.31	0.30	0.35	0.30	-0.05 -15.25
Finland	0.33	0.37	0.39	3.33	3.37	3.38	1.10	1.26	1.30	0.04 3.09
Sweden	0.27	0.28	0.29	3.47	4.32	3.79	0.95	1.20	1.10	-0.10 -8.33
Eastern Europe	1.14	1.15	1.16	2.23	2.19	2.22	2.53	2.53	2.57	0.04 1.54
Czech Rep.	0.06	0.06	0.06	3.12	3.33	3.33	0.19	0.20	0.20	0.00 0.00
Poland	0.60	0.62	0.65	2.51	2.54	2.46	1.50	1.58	1.60	0.02 1.27
Yugoslavia	0.12	0.13	0.13	1.67	1.85	1.85	0.20	0.24	0.24	0.00 0.00
Norway	0.09	0.09	0.10	3.80	4.18	4.00	0.35	0.38	0.40	0.02 5.26
Turkey	0.15	0.15	0.14	1.83	1.72	1.79	0.28	0.25	0.25	0.00 0.00
Others	1.42	1.41	1.43	0.61	0.67	0.64	0.87	0.94	0.91	-0.03 -3.09

**TABLE 8**  
**Rye Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area			Yield			Production			Change in Production		
	1995/96		Prel.	1997/98 Proj.		Prel.	1997/98 Proj.		Prel.	1997/98 Proj.		From last year
	1996/97	May	1995/96	1996/97	May	1995/96	1996/97	May	1995/96	1996/97	May	
Million hectares												
World	10.07	10.76	10.18	2.17	2.07	2.11	21.90	22.27	21.48	-0.79	-3.55	
United States	0.16	0.14	0.15	1.64	1.64	1.69	0.26	0.23	0.25	0.03	10.92	
Total Foreign	9.92	10.62	10.03	2.18	2.07	2.12	21.64	22.04	21.22	-0.82	-3.70	
FSU-12	5.03	5.95	5.43	1.48	1.51	1.49	7.46	9.00	8.11	-0.89	-9.89	
Russia	3.23	4.13	3.70	1.27	1.43	1.35	4.10	5.90	5.00	-0.90	-15.25	
Ukraine	0.61	0.62	0.60	2.00	1.77	1.83	1.21	1.10	1.10	0.00	0.00	
Belarus	1.00	1.05	1.00	2.00	1.81	1.90	2.00	1.90	1.90	0.00	0.00	
Baltic States	0.21	0.24	0.28	1.78	1.99	2.00	0.37	0.47	0.56	0.09	19.15	
Major Exporter												
Canada	0.16	0.17	0.13	1.91	1.85	2.00	0.31	0.32	0.25	-0.07	-22.36	
Other Foreign												
Eastern Europe	4.52	4.27	4.19	2.99	2.87	2.93	13.50	12.24	12.30	0.06	0.46	
Hungary	2.78	2.65	2.56	2.50	2.33	2.41	6.93	6.15	6.16	0.00	0.07	
Poland	0.08	0.07	0.07	2.13	1.43	2.00	0.17	0.10	0.14	0.04	40.00	
Czech Rep.	2.45	2.40	2.30	2.56	2.34	2.39	6.29	5.61	5.50	-0.11	-1.96	
European Union	0.08	0.07	0.08	3.32	3.31	3.50	0.26	0.22	0.28	0.07	30.23	
Denmark	1.41	1.33	1.34	4.34	4.30	4.29	6.13	5.71	5.76	0.05	0.91	
France	0.10	0.08	0.08	5.00	4.74	4.80	0.50	0.37	0.36	-0.01	-2.70	
Germany	0.05	0.05	0.05	4.21	4.59	4.00	0.20	0.23	0.20	-0.02	-11.11	
Spain	0.86	0.81	0.83	5.25	5.21	5.18	4.52	4.21	4.30	0.09	2.04	
Austria	0.16	0.17	0.17	1.09	1.74	1.47	0.17	0.30	0.25	-0.04	-15.25	
Sweden	0.08	0.05	0.06	4.08	2.96	3.64	0.31	0.15	0.20	0.05	32.45	
Turkey	0.18	0.18	0.18	1.42	1.39	1.39	0.26	0.25	0.18	0.00	0.00	
Others	0.15	0.11	0.12	1.17	1.18	1.17	0.18	0.13	0.13	0.00	0.00	

**TABLE 9**  
**Sorghum Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area		Yield		Production		Change in Production	
	Prel.	1997/98 Proj.	Prel.	1997/98 Proj.	Prel.	1997/98 Proj.	MMT	Percent
	1995/96	1996/97	1995/96	1996/97	1995/96	1996/97	From last year	
Million hectares								
World	40.69	44.01	42.49	1.36	1.54	55.21	67.57	63.88
United States	3.35	4.82	3.98	3.49	4.24	11.69	20.40	16.89
Total Foreign	37.34	39.19	38.51	1.17	1.20	1.22	43.52	47.17
Metric tons per hectare								
India	11.44	11.70	11.70	0.83	0.90	0.90	9.55	10.50
China	1.22	1.28	1.23	3.91	4.44	4.47	4.76	5.68
Mexico	1.73	2.00	1.90	3.21	3.00	3.16	5.57	6.00
Nigeria	6.40	6.45	6.50	1.02	1.02	1.05	6.50	6.60
Sudan	4.70	6.00	5.50	0.52	0.67	0.73	2.45	4.00
Argentina	0.63	0.65	0.55	3.32	3.85	3.64	2.10	2.50
Australia	0.65	0.50	0.60	2.38	2.00	2.00	1.56	1.00
Ethiopia	1.50	1.75	1.75	1.13	1.14	1.14	1.70	2.00
Colombia	0.17	0.13	0.12	3.20	3.28	3.33	0.55	0.41
Venezuela	0.19	0.15	0.16	1.62	1.62	1.61	0.30	0.25
Egypt	0.15	0.14	0.15	5.24	5.31	5.10	0.78	0.76
Yemen	0.45	0.45	0.45	1.03	1.00	1.00	0.46	0.45
Tanzania	0.69	0.70	0.70	1.22	0.86	1.00	0.84	0.60
Niger	1.50	1.50	1.40	0.20	0.20	0.30	0.31	0.30
South Africa	0.17	0.16	0.16	2.56	1.97	2.19	0.45	0.32
Thailand	0.16	0.16	0.16	1.25	1.25	1.25	0.20	0.20
Others	5.59	5.47	5.48	0.98	1.02	0.99	5.46	5.60

May 1997

Production Estimates and Crop Assessment Division, FAS, USDA

**TABLE 10**  
**Rice Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield (Rough)				Production (Milled)				Change in Production					
	1994/95		1995/96		Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1995/96	1994/95	1995/96	Apr.	May	1996/97 Proj.	Apr.	May	
	Million hectares				Metric tons per hectare				Million metric tons				MMT	Percent	MMT	Percent		
World	148.00	148.46	148.79	148.65	3.65	3.71	3.75	3.76	364.90	371.45	376.91	377.38	0.46	0.12	5.93	1.60		
United States	1.34	1.25	1.13	1.13	6.69	6.30	6.86	6.86	6.65	5.63	5.60	5.60	0.00	0.00	-0.04	-0.64		
Total Foreign	146.65	147.21	147.66	147.51	3.62	3.69	3.73	3.74	358.25	365.82	371.32	371.78	0.46	0.13	5.96	1.63		
Major Exporters	23.59	24.05	24.03	23.93	2.85	2.97	2.88	2.89	43.11	45.78	44.46	44.46	0.00	0.00	-1.32	-2.89		
Vietnam	6.77	7.19	6.90	6.90	3.64	3.71	3.73	3.73	16.26	17.60	17.00	17.00	0.00	0.00	-0.60	-3.41		
Thailand	9.20	9.03	9.20	9.20	2.33	2.41	2.29	2.29	14.12	14.39	13.90	13.90	0.00	0.00	-0.49	-3.39		
Burma	5.52	5.67	5.70	5.60	2.90	3.00	2.81	2.86	9.28	9.86	9.30	9.30	0.00	0.00	-0.56	-5.68		
Pakistan	2.11	2.16	2.23	2.23	2.45	2.73	2.87	2.87	3.45	3.94	4.26	4.26	0.00	0.00	0.32	8.23		
Major Importers	15.92	15.87	16.12	16.08	4.06	4.09	4.15	4.16	43.08	43.21	44.67	44.62	-0.05	-0.11	1.41	3.26		
Indonesia	11.44	11.39	11.60	11.60	4.35	4.43	4.44	4.44	32.33	32.80	33.50	33.50	0.00	0.00	0.70	2.13		
South Korea	1.10	1.06	1.05	1.05	6.25	6.05	6.85	6.85	5.06	4.69	5.32	5.32	0.00	0.00	0.63	13.34		
European Union	0.36	0.36	0.41	0.41	5.63	5.54	6.16	6.16	1.30	1.23	1.60	1.60	0.00	0.00	0.38	30.61		
Iran	0.56	0.57	0.60	0.60	4.02	4.08	4.00	4.00	4.00	4.00	1.55	1.60	0.00	0.00	0.05	3.23		
Nigeria	1.67	1.70	1.70	1.66	2.20	2.22	1.96	1.96	2.20	2.26	2.00	1.95	-0.05	-2.50	-0.31	-13.72		
Other Foreign	107.15	107.30	107.50	107.50	3.96	4.04	4.09	4.10	272.06	276.83	282.19	282.71	0.52	0.18	5.88	2.12		
China	30.17	30.75	30.70	30.70	5.83	6.02	6.22	6.22	123.15	129.65	133.70	133.70	0.00	0.00	4.05	3.12		
India	42.50	42.30	42.70	42.70	2.86	2.82	2.81	2.83	81.16	79.46	80.00	80.50	0.50	0.63	1.04	1.31		
Bangladesh	9.92	9.94	10.00	10.00	2.55	2.67	2.78	2.78	16.83	17.69	18.50	18.50	0.00	0.00	0.81	4.60		
Japan	2.21	2.12	1.98	1.98	6.77	6.34	6.54	6.54	10.90	9.78	9.41	9.41	0.00	0.00	-0.37	-3.76		
Brazil	4.24	3.88	3.70	3.70	2.57	2.59	2.46	2.46	7.40	6.83	6.20	6.20	0.00	0.00	-0.63	-9.28		
Philippines	3.67	3.92	4.00	4.00	2.86	2.85	2.88	2.88	6.81	7.26	7.50	7.50	0.00	0.00	0.24	3.26		
Egypt	0.58	0.59	0.59	0.59	7.94	8.16	8.34	8.34	2.83	2.98	3.05	3.05	0.00	0.00	0.08	2.52		
Taiwan	0.37	0.36	0.35	0.35	5.63	5.71	5.04	5.04	1.51	1.52	1.42	1.42	0.00	0.00	-0.10	-6.39		
FSU-12	0.53	0.51	0.54	0.54	2.88	2.82	2.51	2.51	1.00	0.93	0.88	0.88	0.00	0.00	-0.05	-5.38		
Russia	0.19	0.17	0.20	0.20	2.83	2.70	1.93	1.93	0.35	0.30	0.25	0.25	0.00	0.00	-0.05	-16.67		
Australia	0.13	0.15	0.17	0.17	8.88	6.38	8.90	8.90	0.81	0.68	1.05	1.05	0.00	0.00	0.37	54.41		
Others	12.83	12.78	12.78	12.78	2.88	2.97	2.80	2.80	19.65	20.05	20.48	20.50	0.02	0.07	0.44	2.21		

TABLE 11

# Total Oilseed Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area		Yield		Production			Change in Production			
	1994/95	1995/96	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1995/96	1994/95	From last month	From last year
Million metric tons											
			Metric tons per hectare							MMT	Percent
World Total 1/ Total Foreign 1/ Copra Palm Kernel	--	--	--	--	--	--	260.70	256.41	259.46	-1.66	-0.64
	--	--	--	--	--	--	180.98	187.32	184.52	-1.54	-0.83
	--	--	--	--	--	--	5.48	4.95	5.34	0.00	0.00
	--	--	--	--	--	--	4.62	4.96	5.30	0.00	0.00
Major Oilseeds 2/ United States 2/	155.71	161.53	158.12	158.20	1.61	1.53	250.60	246.51	248.83	247.17	-1.66
	32.20	33.57	32.57	32.58	2.48	2.06	2.30	2.30	2.30	-0.12	-0.15
Foreign Oilseeds 2/	123.50	127.96	125.55	125.62	1.38	1.39	1.37	170.88	177.41	173.89	172.35
South America	24.67	24.97	25.40	25.36	2.03	1.92	2.05	1.97	50.12	47.90	52.05
Brazil	13.00	12.18	12.65	12.65	2.08	2.01	2.19	2.15	27.02	24.51	27.66
Argentina	9.36	10.38	10.30	10.28	2.06	1.85	1.92	1.81	19.24	19.24	18.56
Paraguay	1.42	1.44	1.41	1.39	1.72	1.83	2.03	1.98	2.44	2.64	2.87
China	25.12	25.08	23.56	23.86	1.68	1.72	1.72	1.71	42.25	43.19	40.41
India	28.01	30.25	30.67	30.67	0.83	0.82	0.82	0.82	23.18	24.84	25.13
European Union	6.43	5.99	5.79	5.78	1.97	2.20	2.22	2.23	12.69	13.19	12.86
France	1.83	1.92	1.87	1.87	2.25	2.53	2.74	2.74	4.11	4.86	5.11
Italy	0.43	0.47	0.56	0.56	2.75	2.60	2.68	2.68	1.18	1.22	1.50
Germany	1.26	1.04	0.89	0.89	2.51	3.13	2.36	2.36	3.15	3.27	2.10
Spain	1.35	1.09	1.14	1.13	0.82	0.63	1.19	1.20	1.12	1.11	0.68
United Kingdom	0.50	0.44	0.43	0.43	2.61	3.03	3.37	3.37	1.30	1.33	1.45
FSU-12	8.96	10.09	9.87	9.87	0.97	1.12	0.88	0.88	8.68	11.28	8.64
Russia	3.84	4.86	4.75	4.75	0.81	0.95	0.69	0.69	3.10	4.62	3.28
Ukraine	1.85	2.04	1.94	1.94	0.88	1.42	1.10	1.10	1.62	2.90	2.13
Uzbekistan	1.53	1.50	1.50	1.50	1.57	1.47	1.38	1.38	2.40	2.20	2.07
Turkmenistan	0.54	0.45	0.45	0.45	1.19	1.22	0.58	0.58	0.64	0.55	0.26
Canada	6.66	6.14	4.38	4.38	1.44	1.43	1.66	1.66	9.60	8.80	7.27
Indonesia	2.24	2.06	2.08	1.98	1.24	1.27	1.23	1.27	2.77	2.61	2.56
Pakistan	3.12	3.51	3.67	3.67	1.01	1.14	0.96	0.96	3.15	4.00	3.52
Eastern Europe	2.52	3.10	3.03	3.03	1.61	1.70	1.57	1.57	4.06	5.29	4.74
Poland	0.37	0.61	0.28	0.28	2.04	2.27	1.66	1.66	0.76	1.38	0.46
Romania	0.65	0.79	0.99	0.99	1.33	1.32	1.31	1.32	0.86	1.04	1.30
Hungary	0.45	0.53	0.58	0.58	1.60	1.48	1.83	1.83	0.72	0.79	1.06
Turkey	1.21	1.45	1.38	1.38	1.39	1.49	1.45	1.45	1.68	2.17	2.00
Philippines	0.06	0.06	0.06	0.06	0.87	0.86	0.88	0.88	0.06	0.06	0.06
Mexico	0.50	0.45	0.47	0.47	1.63	1.44	1.44	1.44	0.81	0.65	0.67
Others	14.02	14.80	15.21	15.13	0.84	0.91	0.92	0.93	11.84	13.46	14.01

1/ Major oilseeds plus copra and palm kernel. 2/ Individual countries and regions include soybean, cottonseed, peanut (inshell), sunflowerseed, and rapeseed.

TABLE 12

## Soybean Area, Yield, and Production

### World and Selected Countries and Regions

Country/Region	Area		Yield		Production		Change in Production	
	Prel.	1995/96	Prel.	1995/96	Prel.	1995/96	Prel.	1996/97 Proj.
	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May
Million hectares								
World	62.21	61.29	63.00	63.20	2.21	2.03	2.12	2.10
United States	24.63	24.94	25.66	25.66	2.78	2.38	2.53	68.49
Total Foreign	37.58	36.36	37.34	37.54	1.84	1.80	1.84	69.14
Metric tons per hectare								
Major Exporters	18.48	18.03	19.20	19.20	2.20	2.14	2.24	2.16
Brazil	11.68	10.95	11.80	11.80	2.22	2.16	2.29	2.25
Argentina	5.70	5.98	6.20	6.20	2.19	2.08	2.14	2.00
Paraguay	1.10	1.10	1.20	1.20	2.00	2.18	2.25	2.17
Other Foreign	19.10	18.32	18.14	18.34	1.49	1.46	1.43	1.43
China	9.22	8.13	7.50	7.80	1.73	1.66	1.73	1.73
India	4.03	4.82	5.00	5.00	0.80	0.93	0.76	0.76
Canada	0.82	0.82	0.86	0.86	2.75	2.78	2.52	2.52
Indonesia	1.48	1.35	1.40	1.30	1.14	1.16	1.11	1.15
Eastern Europe	0.16	0.18	0.22	0.22	1.56	1.70	1.66	1.68
European Union	0.35	0.29	0.32	0.32	2.92	3.23	3.39	3.39
FSU-12	0.66	0.55	0.56	0.56	0.74	0.66	0.73	0.73
Russia	0.58	0.49	0.50	0.50	0.73	0.60	0.70	0.70
Ukraine	0.04	0.02	0.03	0.03	0.70	1.30	0.80	0.80
Mexico	0.29	0.14	0.09	0.09	0.9	1.82	1.40	1.11
Thailand	0.34	0.28	0.32	0.32	1.32	1.30	1.25	1.25
North Korea	0.34	0.34	0.30	0.30	1.18	1.21	1.00	1.00
Japan	0.06	0.07	0.07	0.07	1.62	1.72	1.71	1.71
Bolivia	0.39	0.45	0.55	0.55	2.06	2.02	2.15	1.83
South Korea	0.12	0.11	0.10	0.10	1.26	1.52	1.60	0.15
Colombia	0.06	0.03	0.04	0.04	2.07	2.14	2.00	0.12
Others	0.78	0.79	0.82	0.82	1.34	1.44	1.48	1.04

TABLE 13

# Cottonseed Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area		Yield		Production		Change in Production			
	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	MMT	Percent	MMT	Percent
	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May	From last month	From last year
Million hectares										
World	32.05	35.78	33.73	33.64	1.03	0.99	1.01	1.01	32.88	35.41
United States	5.39	6.48	5.19	5.21	1.28	0.96	1.27	1.24	6.90	6.60
Total Foreign	26.66	29.30	28.53	28.43	0.97	1.00	0.97	0.97	25.98	29.20
Metric tons per hectare										
China	5.53	5.42	4.80	4.80	1.39	1.56	1.58	1.58	7.70	8.44
FSU-12	2.71	2.57	2.55	2.55	1.33	1.28	1.09	1.09	3.60	3.30
Uzbekistan	1.53	1.50	1.50	1.50	1.57	1.47	1.38	1.38	2.40	2.20
Turkmenistan	0.54	0.45	0.45	0.45	1.19	1.22	0.58	0.58	0.64	0.55
India	7.86	9.06	8.87	8.87	0.59	0.59	0.60	0.60	4.60	5.37
Pakistan	2.65	3.05	3.20	3.20	1.03	1.17	0.97	0.97	2.72	3.57
Brazil	1.22	1.13	0.75	0.75	0.79	0.58	0.67	0.67	0.96	0.66
Turkey	0.58	0.76	0.75	0.75	1.60	1.70	1.60	1.60	0.93	1.29
African Franc Zone	1.45	1.61	1.75	1.86	0.69	0.74	0.78	0.73	1.00	1.19
Australia	0.22	0.30	0.39	0.39	2.14	1.96	2.00	2.12	0.47	0.60
Egypt	0.31	0.31	0.39	0.39	1.38	1.27	1.52	1.52	0.42	0.39
Argentina	0.70	0.96	0.90	0.90	0.86	0.78	0.81	0.73	0.60	0.74
Paraguay	0.28	0.30	0.17	0.15	0.71	0.67	0.74	0.73	0.20	0.20
Greece	0.38	0.44	0.42	0.42	1.51	1.52	1.19	1.19	0.58	0.67
Syria	0.18	0.20	0.22	0.22	2.08	2.19	2.27	2.27	0.38	0.43
Mexico	0.15	0.24	0.30	0.30	1.43	1.53	1.63	1.63	0.21	0.37
Colombia	0.08	0.11	0.09	0.09	1.23	1.25	1.16	1.16	0.10	0.10
Sudan	0.17	0.22	0.23	0.23	1.16	1.13	1.00	1.00	0.20	0.25
Others	10.04	11.68	11.64	11.44	0.59	0.60	0.61	0.62	5.91	6.97
									7.07	7.09
									0.01	0.17
									0.11	0.11

**TABLE 14**  
**Peanut Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production				
	1994/95		1995/96		Prel.		1996/97 Proj.		Prel.		1996/97 Proj.		From last month		From last year		
	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May	MMT	Percent	MMT	Percent	
Million hectares																	
World	19.74	19.60	19.92	19.89	1.34	1.34	1.32	1.31	26.44	26.19	26.24	26.14	-0.10	-0.38	-0.05	-0.18	
United States	0.66	0.61	0.56	0.56	2.94	2.56	2.95	2.98	1.93	1.57	1.66	1.66	0.00	0.00	0.09	5.80	
Total Foreign	19.09	18.99	19.36	19.33	1.28	1.30	1.27	1.27	24.51	24.62	24.58	24.48	-0.10	-0.41	-0.14	-0.56	
Metric tons per hectare																	
China	3.78	3.81	3.77	3.77	2.56	2.68	2.52	2.52	9.68	10.20	9.50	9.50	0.00	0.00	-0.70	-6.86	
India	7.92	7.80	8.20	8.20	1.04	0.95	1.00	1.00	8.26	7.40	8.20	8.20	0.00	0.00	0.80	10.81	
Indonesia	0.74	0.69	0.66	0.66	1.47	1.51	1.52	1.52	1.09	1.04	1.00	1.00	0.00	0.00	-0.04	-3.85	
Senegal	0.93	0.89	0.90	0.90	0.77	0.91	0.94	0.94	0.94	0.72	0.81	0.85	0.85	0.00	0.00	0.04	4.94
Burma	0.49	0.46	0.46	0.46	0.90	1.08	1.08	1.08	0.45	0.45	0.50	0.50	0.00	0.00	0.00	0.00	
Sudan	0.55	0.55	0.55	0.55	0.71	0.73	0.73	0.73	0.39	0.40	0.40	0.40	0.00	0.00	0.00	0.00	
Zaire	0.53	0.53	0.53	0.53	0.53	0.72	0.72	0.72	0.72	0.38	0.38	0.38	0.38	0.00	0.00	0.00	0.00
Argentina	0.16	0.24	0.30	0.28	1.54	1.93	1.33	1.09	0.24	0.46	0.40	0.30	-0.10	-25.00	-0.16	-35.06	
Nigeria	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.25	0.25	0.25	0.00	0.00	0.00	
Vietnam	0.20	0.20	0.20	0.20	1.36	1.25	1.25	1.25	0.27	0.27	0.25	0.25	0.00	0.00	0.00	0.00	
South Africa	0.11	0.14	0.10	0.10	0.98	1.48	1.32	1.32	0.11	0.20	0.13	0.13	0.00	-0.08	-37.50		
Thailand	0.13	0.13	0.13	0.13	1.32	1.31	1.31	1.31	0.17	0.17	0.17	0.17	0.00	0.00	0.00	0.00	
Burkina Faso	0.23	0.23	0.23	0.23	0.23	0.70	0.70	0.70	0.70	0.16	0.16	0.16	0.16	0.00	0.00	0.00	
Brazil	0.09	0.09	0.09	0.09	1.67	1.67	1.67	1.67	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00	
Central African Rep.	0.13	0.13	0.13	0.13	0.13	1.12	1.12	1.12	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00	
Cameroon	0.32	0.32	0.32	0.32	0.32	0.44	0.44	0.44	0.44	0.14	0.14	0.14	0.14	0.00	0.00	0.00	
Cote d'Ivoire	0.15	0.15	0.15	0.15	0.98	0.98	0.98	0.98	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00	
Mexico	0.06	0.07	0.07	0.07	1.27	1.26	1.06	1.06	0.08	0.08	0.07	0.07	0.00	-0.01	-9.76		
Gambia	0.10	0.10	0.10	0.10	1.11	1.22	1.21	1.21	0.11	0.12	0.12	0.12	0.00	-0.00	-0.86		
Others	1.98	1.97	1.97	1.97	0.81	0.82	0.82	0.82	1.60	1.62	1.62	1.62	0.00	0.01	0.43		

**TABLE 15**  
**Sunflowerseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area			Yield			Production			Change in Production		
	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.
	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May
	Million hectares			Metric tons per hectare			Million metric tons			MMT		
World	18.98	20.72	19.96	19.96	1.23	1.24	1.21	1.20	23.37	25.77	24.14	23.92
United States	1.39	1.36	1.01	1.01	1.58	1.33	1.61	1.61	2.19	1.82	1.63	1.63
Total Foreign	17.59	19.36	18.95	18.95	1.20	1.24	1.19	1.18	21.17	23.95	22.51	22.29
FSU-12	5.30	6.56	6.37	6.37	0.82	1.13	0.82	0.82	4.37	7.38	5.21	5.21
Russia	3.11	4.10	4.00	4.00	0.82	1.02	0.70	0.70	2.55	4.20	2.80	2.80
Ukraine	1.78	2.00	1.90	1.90	0.88	1.43	1.11	1.11	1.57	2.85	2.10	2.10
Argentina	2.80	3.20	2.90	2.90	2.11	1.75	1.86	1.79	5.90	5.60	5.40	5.20
European Union	2.85	2.39	2.35	2.35	1.41	1.35	1.68	1.68	4.03	3.24	3.94	3.94
France	1.03	0.98	0.92	0.92	2.00	1.95	2.19	2.19	2.05	1.90	2.00	2.00
Spain	1.24	0.98	0.99	0.99	0.79	0.59	1.15	1.15	0.98	0.58	1.14	1.14
Italy	0.22	0.25	0.26	0.26	2.30	2.00	2.19	2.19	0.50	0.50	0.57	0.57
Eastern Europe	1.69	1.93	2.11	2.11	1.44	1.41	1.48	1.47	2.43	2.72	3.11	3.09
Hungary	0.41	0.49	0.48	0.48	1.61	1.49	1.89	1.89	0.67	0.73	0.90	0.90
Romania	0.58	0.72	0.91	0.91	1.32	1.30	1.32	1.30	0.77	0.93	1.20	1.18
Yugoslavia	0.16	0.17	0.21	0.21	1.93	1.74	1.90	1.90	0.31	0.30	0.39	0.39
Bulgaria	0.49	0.49	0.45	0.45	1.23	1.33	1.09	1.09	0.60	0.65	0.49	0.49
Czech Rep.	0.02	0.02	0.02	0.02	2.38	1.79	1.90	1.95	0.04	0.03	0.04	0.04
China	0.81	0.81	0.82	0.82	1.70	1.56	1.57	1.57	1.37	1.27	1.29	1.29
India	1.97	2.17	2.20	2.20	0.61	0.65	0.68	0.68	1.20	1.40	1.50	1.50
Turkey	0.55	0.63	0.55	0.55	1.09	1.20	1.20	1.20	0.60	0.75	0.66	0.66
South Africa	0.54	0.61	0.46	0.46	0.83	1.24	0.97	0.97	0.45	0.76	0.45	0.45
Australia	0.14	0.07	0.15	0.15	0.95	1.19	0.93	0.93	0.13	0.09	0.14	0.14
Burma	0.18	0.15	0.15	0.15	0.60	0.73	0.73	0.73	0.11	0.11	0.11	0.11
Others	0.76	0.84	0.89	0.89	0.77	0.76	0.79	0.79	0.58	0.64	0.70	0.70

TABLE 16

# Rapeseed Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area				Yield				Production				Change in Production							
	Prel.	1996/97 Proj.	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May	MMT	Percent	MMT	Percent						
																	MMT	Percent	MMT	Percent
																	MMT	Percent	MMT	Percent
World	22.74	24.13	21.51	21.51	1.33	1.43	1.42	1.42	30.29	34.59	30.56	30.55	-0.01	-0.03	-4.04	-11.69				
United States	0.14	0.18	0.14	0.14	1.49	1.43	1.55	1.55	0.21	0.25	0.22	0.22	0.00	0.00	-0.03	-12.40				
Total Foreign	22.60	23.96	21.37	21.37	1.33	1.43	1.42	1.42	30.08	34.34	30.34	30.33	-0.01	-0.03	-4.01	-11.69				
																	MMT	Percent	MMT	Percent
																	MMT	Percent	MMT	Percent
																	MMT	Percent	MMT	Percent
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**TABLE 17**  
**Copra, Palm Kernel, and Palm Oil Production**  
**World and Selected Countries and Regions**

Country/Region	Production				Change in Production			
	Prel.		1996/97 Proj.		From last month		From last year	
	1994/95	1995/96	Apr.	May				
Million metric tons								
<b>COPRA</b>					MMT	Percent	MMT	Percent
World	5.48	4.95	5.34	5.34	0.00	0.00	0.38	7.76
Philippines	2.65	1.97	2.30	2.30	0.00	0.00	0.33	16.75
Indonesia	1.29	1.38	1.40	1.40	0.00	0.00	0.02	1.45
India	0.60	0.61	0.64	0.64	0.00	0.00	0.03	4.92
Mexico	0.18	0.22	0.23	0.23	0.00	0.00	0.00	2.27
Sri Lanka	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Vietnam	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Malaysia	0.02	0.02	0.02	0.02	0.00	0.00	-0.00	-13.04
Others	0.55	0.55	0.55	0.55	0.00	0.00	0.00	0.36
<b>PALM KERNEL</b>								
World	4.62	4.96	5.30	5.30	0.00	0.00	0.34	6.86
Malaysia	2.37	2.50	2.65	2.65	0.00	0.00	0.15	6.00
Indonesia	1.18	1.37	1.55	1.55	0.00	0.00	0.18	13.14
Nigeria	0.28	0.27	0.26	0.26	0.00	0.00	-0.01	-3.70
Cote d'Ivoire	0.06	0.06	0.07	0.07	0.00	0.00	0.00	1.56
Colombia	0.07	0.07	0.08	0.08	0.00	0.00	0.00	2.70
Thailand	0.07	0.09	0.10	0.10	0.00	0.00	0.01	10.47
Zaire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Ecuador	0.03	0.04	0.04	0.04	0.00	0.00	0.00	11.11
Others	0.52	0.53	0.53	0.53	0.00	0.00	0.00	0.76
<b>PALM OIL</b>								
World	14.89	15.76	16.69	16.69	0.00	0.00	0.92	5.86
Malaysia	7.77	8.26	8.60	8.60	0.00	0.00	0.34	4.12
Indonesia	4.25	4.50	4.95	4.95	0.00	0.00	0.45	10.00
Nigeria	0.60	0.59	0.60	0.60	0.00	0.00	0.01	1.69
Cote d'Ivoire	0.29	0.30	0.31	0.31	0.00	0.00	0.01	1.97
Colombia	0.37	0.39	0.40	0.40	0.00	0.00	0.01	3.88
Thailand	0.30	0.37	0.41	0.41	0.00	0.00	0.04	10.81
Zaire	0.11	0.11	0.12	0.12	0.00	0.00	0.00	2.68
Ecuador	0.19	0.22	0.25	0.25	0.00	0.00	0.03	13.64
Others	1.00	1.02	1.05	1.05	0.00	0.00	0.03	2.84

TABLE 18

**Cotton Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area		Yield		Production		Change in Production	
	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.	Prel.	1996/97 Proj.
	1994/95	1995/96	Apr.	May	1994/95	1995/96	Apr.	May
					Kilograms per hectare		Million 480 lb. bales	
World	32.15	35.88	33.78	33.69	579	559	568	85.52
United States	5.39	6.48	5.19	5.21	794	602	795	19.66
Total Foreign	26.76	29.40	28.58	28.49	536	550	527	65.86
Major Exporters	15.86	16.64	15.88	15.97	664	695	663	48.38
China	5.53	5.42	4.80	4.80	784	879	875	19.90
Pakistan	2.65	3.05	3.20	3.20	514	586	483	6.25
Sudan	0.17	0.22	0.23	0.23	501	485	426	0.40
Turkey	0.58	0.76	0.75	0.75	1,080	1,125	1,060	2.89
FSU-12	2.71	2.57	2.55	2.55	706	699	556	8.78
Uzbekistan	1.54	1.50	1.50	1.50	818	833	689	5.78
Turkmenistan	0.54	0.45	0.45	0.45	648	556	290	1.61
Other	0.63	0.62	0.60	0.60	482	479	421	1.39
Egypt	0.31	0.31	0.39	0.39	835	774	900	1.17
African Franc Zone	1.45	1.61	1.75	1.86	399	424	451	423
Southern Hemisphere	2.46	2.70	2.21	2.19	561	495	605	597
Argentina	0.70	0.96	0.90	0.90	500	438	460	411
Australia	0.22	0.30	0.39	0.39	1,509	1,382	1,396	1,452
Brazil	1.22	1.13	0.75	0.75	451	345	406	2.53
Paraguay	0.32	0.31	0.17	0.15	453	351	442	435
Major Importers	0.48	0.54	0.56	0.56	931	939	737	2.04
Other Foreign	10.42	12.22	12.15	11.96	323	335	339	344
India	7.86	9.06	8.87	8.87	300	304	307	10.81
Others	2.56	3.16	3.28	3.10	393	425	450	4.62

**TABLE 19**

The table below presents a 15-year record of the difference between the May projections and the final estimates. Using world wheat production as an example, changes between the May projection and the final estimate have averaged 14.4 million tons (2.8 percent) and ranged from -25.1 to 29.7 million tons. The May projection has been below the final 9 times and above the final 7 times.

### RELIABILITY OF PRODUCTION PROJECTIONS

COMMODITY AND REGION	PROJECTION AND FINAL ESTIMATES, 1981/82 - 1996/97 1/					
	Difference		Lowest	Highest	Below Final	Above Final
	Average	Average	Difference			
<b>WHEAT</b>	Percent	---Million metric tons---			Number of years 2/	
World	2.8	14.4	-25.1	29.7	9	7
U.S.	4.9	3.0	-5.7	9.8	7	9
Foreign	3.0	12.8	-23.9	28.7	9	7
<b>COARSE GRAINS 3/</b>						
World	3.4	26.6	-31.9	75.3	8	8
U.S.	13.2	26.0	-35.9	70.3	8	8
Foreign	2.0	11.8	-26.4	28.1	4	12
<b>RICE (Milled)</b>						
World	2.4	7.9	-21.8	11.4	11	5
U.S.	6.2	0.3	-1.0	0.5	9	7
Foreign	2.5	7.8	-22.0	11.2	12	4
<b>SOYBEANS</b>						
World	NA	NA	NA	NA	NA	NA
U.S.	8.3	4.4	-11.3	12.0	9	7
Foreign	NA	NA	NA	NA	NA	NA
<b>COTTON</b>		---Million 480-lb. bales---				
World	5.4	4.4	-13.7	11.4	10	6
U.S.	9.9	1.4	-2.8	3.1	7	9
Foreign	5.4	3.6	-12.2	10.5	8	8
<b>UNITED STATES</b>		-----Million bushels-----				
<b>CORN</b>	13.9	900	-1,378	2,379	6	10
<b>SORGHUM</b>	16.6	118	-228	171	9	7
<b>BARLEY</b>	10.2	41	-73	206	7	9
<b>OATS</b>	19.0	54	-77	231	4	12

1/ The final estimate for 1981/82-1995/96 is defined as the first November estimate following the marketing year.

2/ May not total 16 if projection was the same as the final.

3/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

# WORLD AGRICULTURAL WEATHER HIGHLIGHTS

May 12, 1997



**1 - CANADA**  
Persistent cold in the Prairies precludes significant early spring grain and oilseed planting. Flooding continues in the Red River Valley, with some level of planting delays imminent.

**2 - UNITED STATES**  
Favorably drier weather in the upper Midwest aided the slow recession of floodwaters throughout the drainage basins. Spring wheat planting is lagging well behind average due to the excessive wetness and cool weather. Corn planting advanced rapidly in the Midwest, with favorable weather conditions in late April and early May. Winter wheat development resumed after the damaging freeze in mid-April from western Kansas to central Texas. Recent drier weather in eastern Texas improved rice planting conditions following earlier delays. Cool, wet weather in the Northwest slowed early spring growth.

**3 - SOUTH AMERICA**  
Near to above-normal April rainfall eased dryness in central Argentina, stabilizing soybean yields and increasing topsoil moisture for upcoming winter wheat planting. In southern Brazil, below normal April rainfall promoted rapid soybean harvesting. However, in portions of Argentina and southern Brazil, more rain is needed for winter wheat planting.

**4 - EUROPE**  
Persistent dryness hurt non-irrigated winter grains in Portugal and southern Spain and limited moisture for winter grain development and newly emerging spring-sown crops in England, France, the Benelux countries, and northern Italy. Cool, wet weather in southeastern Europe in April slowed winter grain development and spring grain planting. Sub-freezing temperatures on April 18 may have damaged flowering orchards, vines, and vegetable crops in southern France and Italy. Increasing precipitation since April 20 in western Europe and northern Italy eased prolonged dryness, improving growing conditions for crops.

**5 - FSU-WESTERN**  
**6 - NORTHWESTERN AFRICA**  
Near to above-normal April rainfall in Morocco, Algeria, and Tunisia arrived too late to significantly improve yield prospects for drought-stricken winter grain crops. Periodic hot weather since April 28 hastened maturity in winter grains in Morocco, parts of Algeria, and Tunisia.

**7 - SOUTH AFRICA**  
April showers were unfavorable for maturing corn but increased moisture for winter wheat establishment. Cool, dry weather over the past few weeks has aided corn drydown. Moisture reserves are generally favorable for winter wheat planting, except for a few dry locations in Western Cape.

**8 - MIDDLE EAST**  
Warmer, somewhat drier weather since mid-April enhances crop growth in Iran. The dryness extends into eastern Syria, although temperatures generally remain below normal. Cool, showery weather over Turkey maintains unfavorable conditions for winter wheat development and cotton emergence.

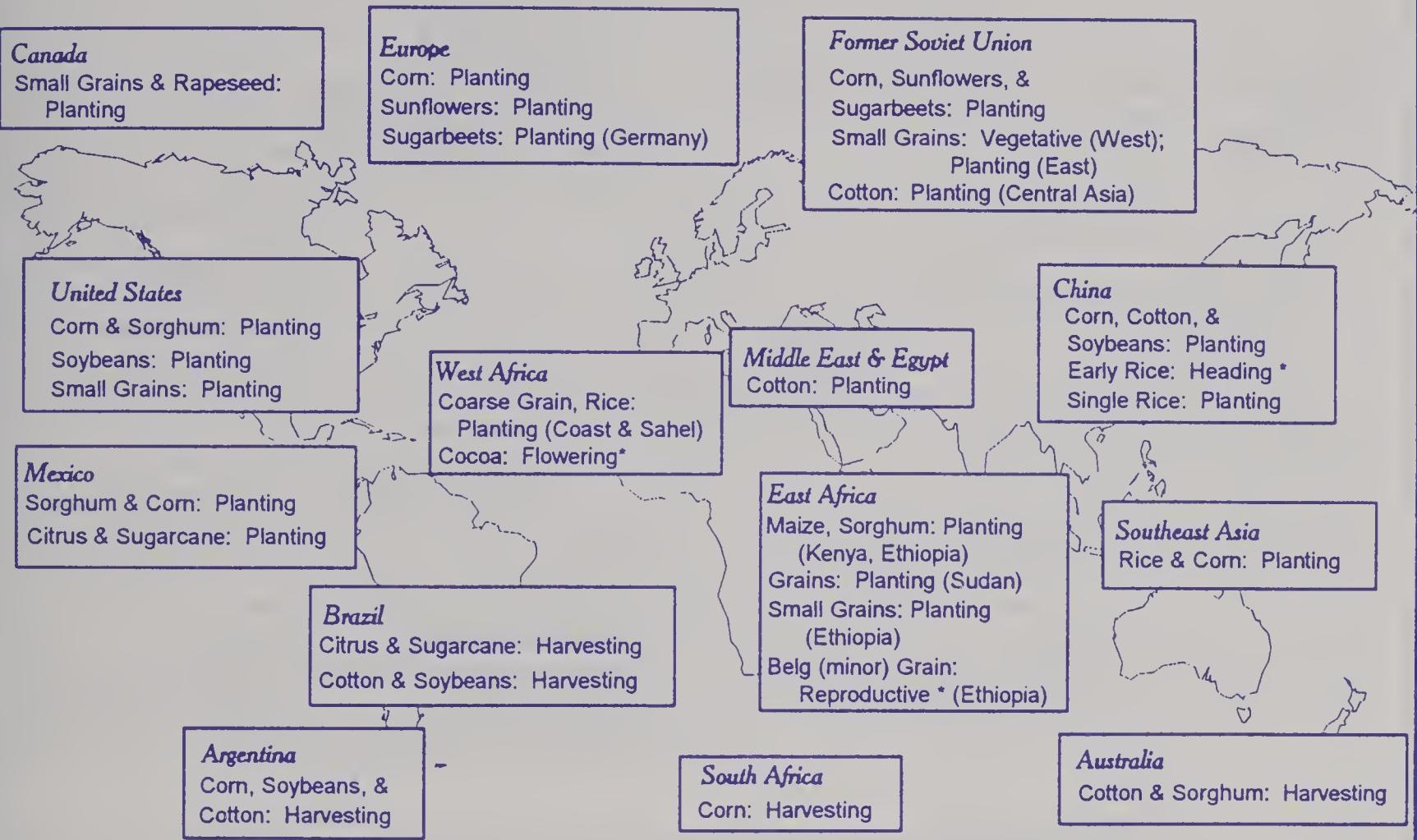
**9 - EASTERN ASIA**  
Adequate moisture exists for vegetative to reproductive winter wheat across the North China Plains. Persistent April showers slowed early rice development across southern China, but sunnier weather in early May, favored growth. Topsoil are somewhat dry for spring wheat planting in Manchuria.

**10 - SOUTHEAST ASIA**  
Below normal rainfall continued in April across the Philippines, reducing moisture supplies for main-season crops. Showers slowed main-season rice harvesting across Java. In Thailand, near to above normal April rainfall slowed second-crop rice harvesting but increased moisture supplies for the upcoming main-season rice crop.

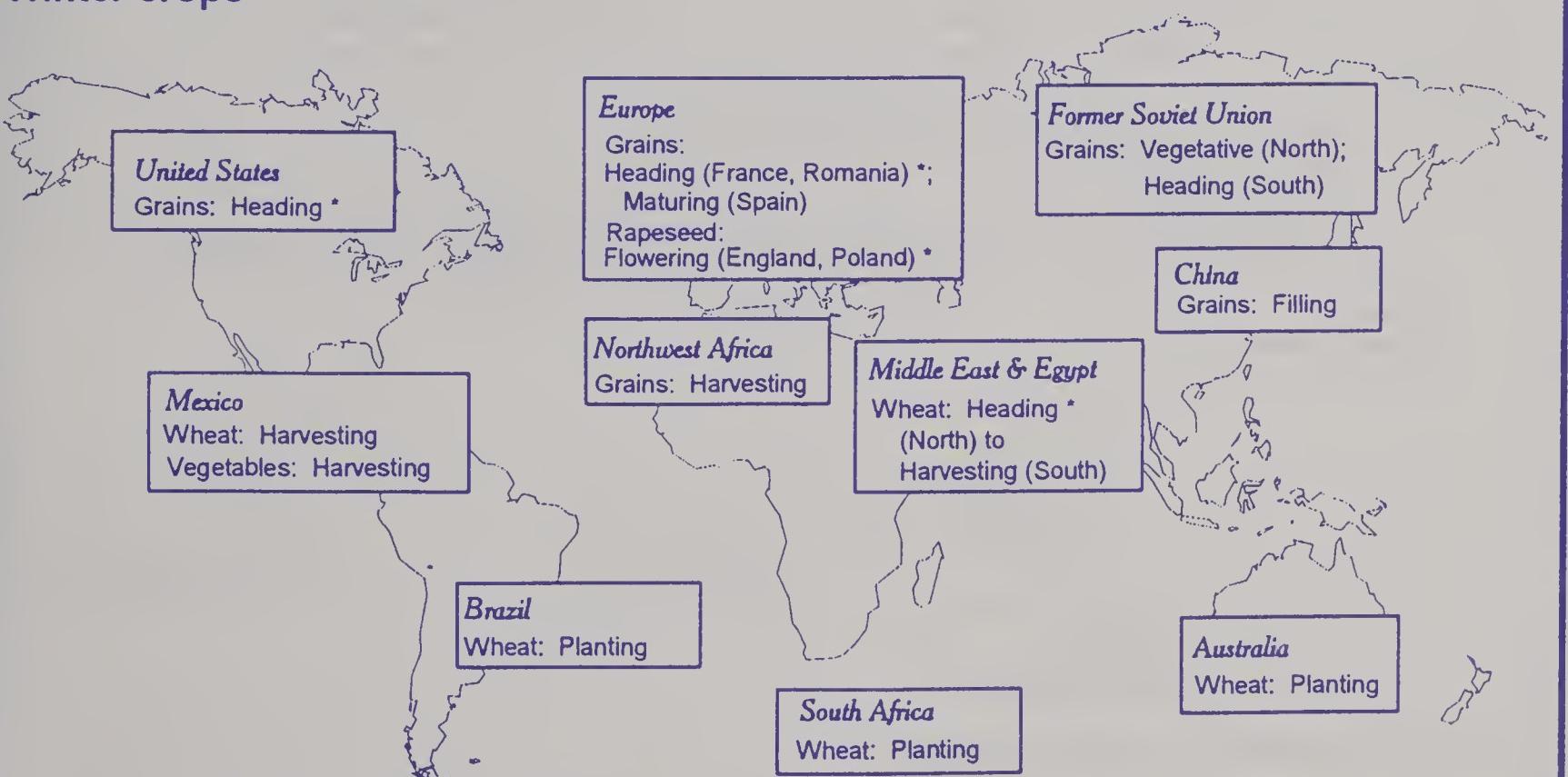
**11 - AUSTRALIA**  
Recent showers in the southeastern winter grain belt have increased topsoil moisture for germination. However, soaking rain are required to adequately recharge subsoil moisture reserves following a protracted dry spell. Farther north, sorghum and cotton harvesting progressed, as did early barley and wheat planting. Topsoils have dried out in winter grain areas of east-central Australia but subsoil moisture reserves are generally favorable from the wet summer. In the west, scattered, light rain maintains generally favorable winter planting conditions, but more rain would be welcomed for proper establishment.

# May normal crop calendar

## Summer crops



## Winter crops

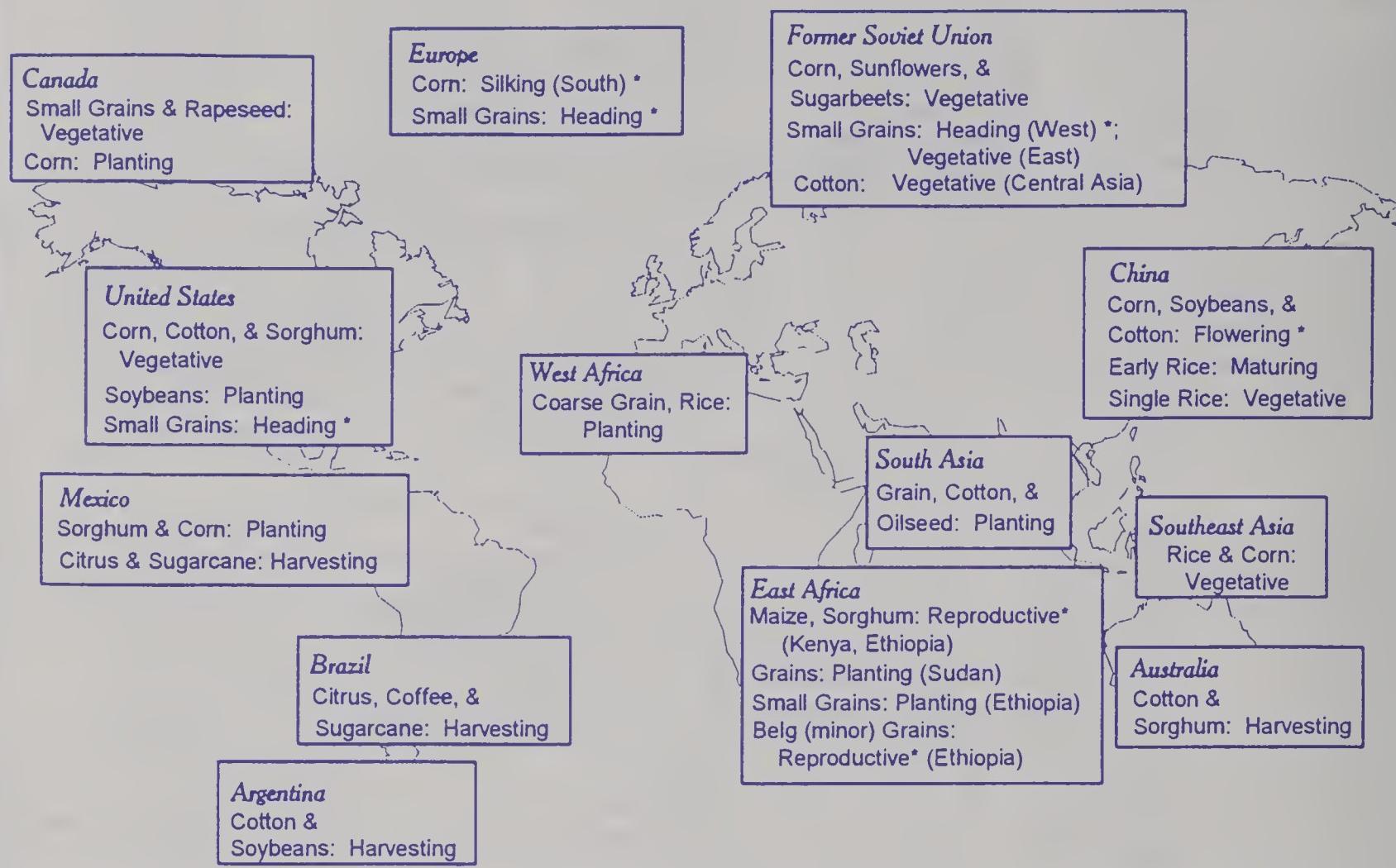


\* Moisture / Temperature Sensitive Stage of Development

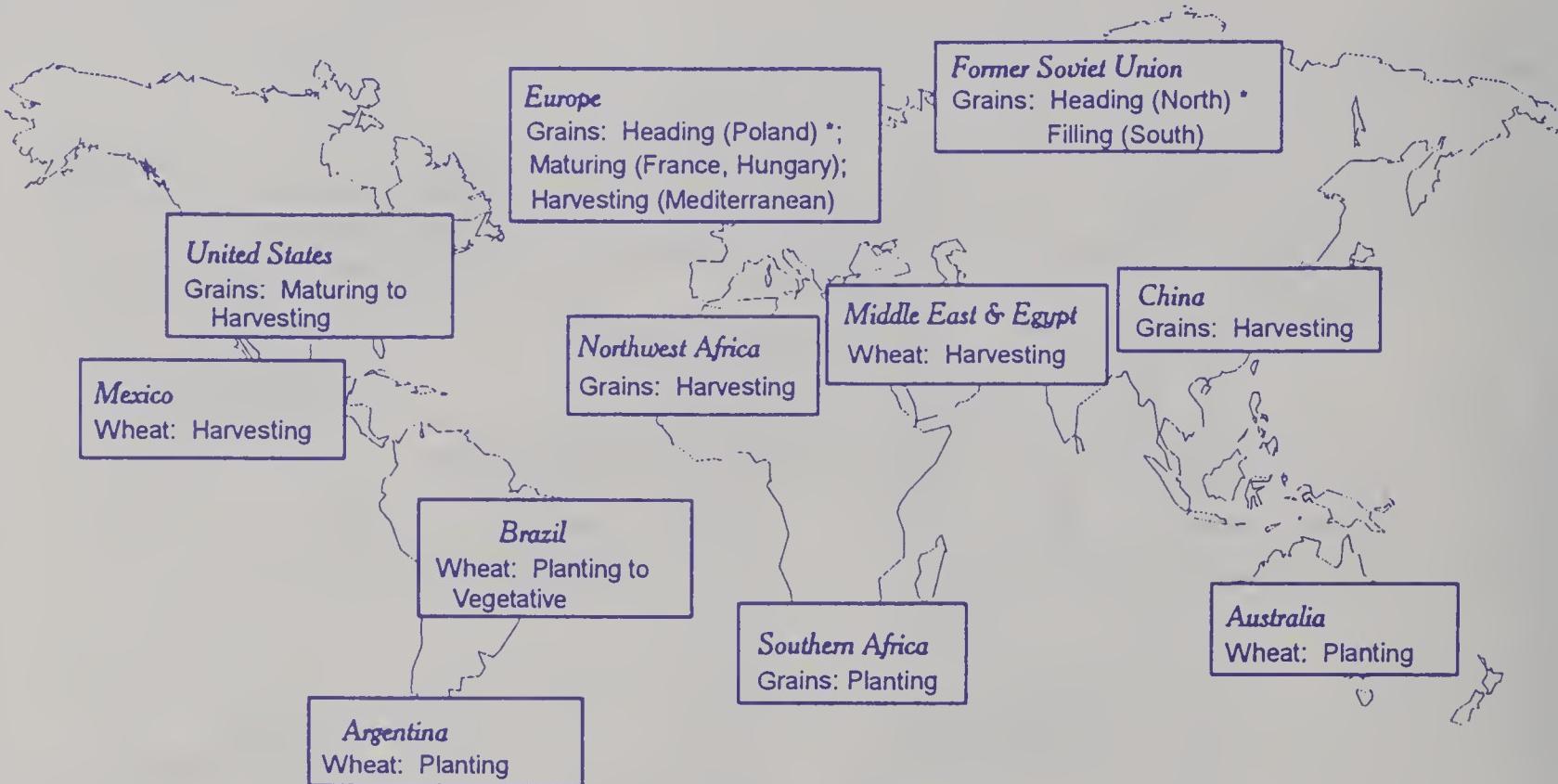
JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

# June normal crop calendar

## Summer crops



## Winter crops



\* Moisture / Temperature Sensitive Stage of Development

## WEATHER BRIEFS

### WESTERN EUROPE: DRY IN MARCH AND APRIL, FAVORABLY MOIST IN MAY

In March 1997, little if any precipitation occurred in Spain, Portugal, France, England, and Italy's Po Valley. Although the dryness favored rapid spring planting, moisture was insufficient for developing winter grains and emerging spring crops. Precipitation has been well-below normal in these countries since late January. Crop prospects for winter grains worsened in March in Portugal and southern Spain, where crops were in or nearing reproduction. During the first week of April 1997, dryness prevailed for the 10th consecutive week over Spain and Portugal. Persistent dryness reduced winter grain yield that were in or nearing reproduction and stressed emerging spring grain crops. This dryness extended northward into France and the United Kingdom, where the lack of moisture was beginning to stress winter wheat in the jointing stage. During April 6 - 12, only light, scattered precipitation fell in Spain and Portugal. As a result, the condition of non-irrigated winter grains continued to worsen, while dryness lowered emergence prospects for summer crops. England, France, and northern Italy remained unfavorably dry that week. Much-needed rain fell in the Iberian peninsula during the week April 13 - 19. The rain came too late to significantly improve prospects for filling winter grains in Portugal and southern Spain. However, it benefited reproductive winter grains in northern Spain, as well as spring-planted crops throughout the region. Elsewhere that week, only light, scattered showers fell in southern France, while unfavorable dryness persisted in northern France, England, and northern Italy. However, unseasonably cool weather lowered crop-water requirements. During April 20 - 26, light to moderate precipitation fell in western Europe, moistening top soils following prolonged dryness. Precipitation amounts in England, Spain, and Portugal ranged from 10 to 25 millimeters, with locally heavier amounts (25 - 40 millimeters) in central and southern Spain. Lesser amounts (2 - 12 millimeters) fell late in the week in France and northern Italy. From April 27 to May 5, light-to-moderate showers in England, France, and Italy eased prolonged dryness, improving moisture conditions for winter grain development and newly emerging spring-sown crops. Precipitation in these areas generally ranged from 4 to 25 millimeters, with timely soaking rain (25 - 20 millimeters) benefiting reproductive winter grains in Italy.

### AUSTRALIA: RAIN SIGNALS START FOR WINTER GRAIN PLANTING

Rainfall was widespread across Australia's eastern winter grain growing regions during May 7 - 9, 1997. This rain provided moisture for field preparation and planting in southern Queensland, New South Wales, Victoria, and eastern South Australia. Planting of winter wheat and barley normally begin around the first of May and can continue through July. During March 1997, southeastern Australia's winter wheat and barley growing areas were dry. In Western Australia, late-March showers signaled the beginning of a 3-week wet spell in western winter grain areas. During April, the eastern winter wheat and barley areas for the most part were dry. From April 1 through April 19, Western Australia continued to receive unseasonably heavy rain with weekly rainfall exceeding normal amounts. This rainfall provided pre-planting moisture for western winter wheat and barley, as the planting window is also May through July.

## PRODUCTION BRIEFS

### CANADA: STATISTICS CANADA ESTIMATES PLANTED AREA

On April 30, Statistics Canada released March planting intentions of principal field crop areas for the 1997/98 season. The report indicates that wheat area is likely to be lower than in the previous year, whereas rapeseed plantings will increase. A reduction in wheat prices since last year has shifted the relative prices back in favor of rapeseed. Total-wheat intended area is put at 11.7 million hectares, down 10 percent from 1996/97. Spring wheat area is placed at 9.3 million hectares, down 11 percent, while durum wheat is put at 2.1 million hectares, up 1 percent. The price premium for durum over spring wheat remains an attraction to durum farmers. Winter wheat seedings were 0.3 million hectares, down 34 percent from 1996/97. Approximately 36,000 hectares of winter wheat in Ontario were lost to winter-kill. Rapeseed planting is expected to total 4.7 million hectares, up 32 percent from 1996/97 seeded area. Soybeans, grown primarily in southern Ontario, are expected to be planted on 1.0 million hectares, up 14 percent from last year's seeded area. Barley planted area is expected to be 5.1 million hectares, down 4 percent; and oats planted area is expected to be 2.0 million hectares, also down 4 percent from 1996/97. Corn-for-grain seeding, however, is expected to increase 4 percent from 1996/97, it will be planted on 1.1 million hectares.

### UNITED STATES: CROP CONDITIONS AND PROGRESS

General Crop Comments: April started with unseasonably cold, wet weather in most of the United States and gradually warmed and dried as the month progressed. Early-month rain and snow compounded flooding problems that already existed in the Red River Valley because of record snowfall in North Dakota, South Dakota, and Minnesota. Saturated soils delayed the start of spring wheat, barley, and oat planting and kept farmers out of fields until the end of the month. Small grain planting in the Northwest also progressed behind the 5-year average as cool, damp weather prevailed. However, conditions were ideal in the eastern Great Lakes and farmers planted oats at a faster-than-normal pace.

Cool soils and wet weather prevented farmers in the Mississippi, Tennessee, and Ohio Valleys from planting spring crops. Even though soils were still cool, planting accelerated later in the month as the soils dried in the Corn Belt. Corn planting was progressing at or near a record pace in Illinois, Indiana, and Ohio by the last week in April. Soils in Tennessee, Kentucky, Virginia, and North Carolina remained cool and wet, slowing planting the entire month. Heavy rains in the Gulf Coast States caused localized flooding and limited fieldwork. Cotton, peanut, and rice planting lagged further behind average as the month continued.

Reminiscent of 1995, below-freezing temperatures during April 11-13 damaged the winter wheat crop in the southern Plains. Farmers and agronomists were in fields evaluating the effects of the freeze, but the full extent of the damage was difficult to determine. Condition of the Kansas wheat crop dropped significantly after the freeze, but improved later as damage was found to be limited to the southern part of the State. Oklahoma and Texas farmers found more damage in their further-advanced crop. The condition of the crop in both States declined significantly after the freeze.

An area extending from Florida northward to North Carolina, started out dry, then turned wet. Winter wheat developed rapidly and planting of spring crops progressed ahead of the normal pace. At mid-month, farmers stopped planting spring crops because soils were too dry. The winter wheat condition in Georgia declined as the crop became stressed. Beneficial moisture finally fell at the end of the month. Cotton planting progressed well in California and Arizona as these were the only States to record above-normal temperatures for April.

## FORMER SOVIET UNION: WEATHER AND CROP DEVELOPMENTS

In April, weather conditions favored crop development over most of the former Soviet Union west of the Urals. Above-normal precipitation fell over Ukraine, Russia, Belarus, and the Baltics. Well-above-normal precipitation occurred in eastern Ukraine and parts of Russia (North Caucasus Region, Volga Valley, and Volga Vyatsk Regions), providing ample soil moisture for early spring crop growth. However, cool, damp weather in eastern Ukraine and southern Russia slowed spring grain planting. Unseasonably cool weather persisted in most areas during April, slowing development of winter grains. By month's end, crop progress for winter grains ranged from greening in northern areas to jointing in southern Ukraine and southern Russia. Crop development for winter grains ranged from 1 to 3 weeks behind normal in most areas. Since early May, a warming trend and generally dry weather in Ukraine and Russia promoted winter grain development and favored spring grain planting. Reports as of May 5 indicated spring grain planting was progressing ahead of last year's delayed pace in Ukraine and Russia. However, corn and sunflower planting was progressing slowly.

In crop areas east of the Urals, spring grain planting usually begins in May. In April, unusually warm weather accompanied periodic dryness, helping early season fieldwork. Moisture accumulations since last fall have been near-normal in the Urals (Russia) and western Kazakhstan, and below normal in most of Western Siberia (Russia) and both central and eastern Kazakhstan.

Tom Puterbaugh 720-2012 (May 1997).

# FORMER SOVIET UNION (WESTERN)



## Percent of Normal Precipitation for April 1997

More than 200 percent of normal is shaded.

Based on preliminary reports.

## WEATHER AND CROP HIGHLIGHTS

MAY 12, 1997

- o Well-above-normal April precipitation in Ukraine and Russia provided ample moisture for early crop growth but slowed spring grain planting.
- o Although unseasonably cool weather in April slowed winter grain development, crop prospects remained favorable.
- o Since early May, a warming trend and generally dry weather in Ukraine and Russia promoted winter grain development and helped spring grain planting.

WORLD CENTRIFUGAL SUGAR PRODUCTION

The preliminary 1997/98 forecast for world centrifugal sugar production is a record 122.4 million tons (raw value), virtually unchanged from the revised 1996/97 estimate of 122.3 million. Sugar produced from sugarcane is forecast at 86.0 million tons, up 1 percent from last year. Sugar processed from sugarbeets is forecast at 36.4 million tons, down 3 percent from last season and 11 percent less than the record 41.1 million produced in 1990/91.

European Union (EU-15): The European Union's 1997/98 sugar production forecast of 17.4 million tons is down 4 percent from last season. All major sugar-producing member states are projecting lower sugar output in 1997/98 except Italy, where production is forecast to remain stable at 1.6 million tons. The European Union accounts for 48 percent of the world's production of beet sugar.

Brazil: Sugar production for 1997/98 is forecast at an all-time high of 14.8 million tons, up marginally from last season because of record cane production and favorable weather. For the 1997/98 season, Brazil is the world's single largest producer of centrifugal sugar.

India: Sugar production for 1997/98 is projected at 13.6 million tons, down 7 percent from last season due to a 6-percent reduction in the volume of cane cut specifically for centrifugal sugar and slightly lower yields. Sugarcane and sugar production are projected to continue trending downward as ongoing delays in producer payments causes growers to increasingly shift away from cane production and use fewer inputs. These developments, coupled with expanding production of alternative sweeteners, has resulted in a 25-percent reduction in centrifugal sugar production since the record outturn of 18.2 million tons in 1995/96.

China: Sugar production in China for 1997/98 is forecast at 7.2 million tons, up 1 percent from last season based on projections of increased production of both beet and cane sugar. Approximately 80 percent of China's sugar production comes from sugarcane. Sugarcane area is forecast to increase slightly in 1997/98 due to continued expansion in Guangxi and Yunnan Provinces.

Thailand: Sugar production for 1997/98 is forecast at a record 6.4 million tons, up 2 percent from 1996/97. The increase reflects continuing expansion of the area planted to cane in the northeast part of the country where farmers are increasingly switching from cassava to sugarcane.

Australia: The sugar production forecast for 1997/98 indicates a record outturn of 5.6 million tons, up 3 percent from last season due to an increase in land assignments. Harvested area in 1997/98 is expected to exceed the 1996/97 area by 10,000 hectares for a total of 412,000.

Mexico: Sugar production for 1997/98 is forecast at an all-time high of 4.8 million tons, 2 percent greater than the previous record of 4.7 million set in 1996/97. Although cane area is essentially unchanged from last year, cane yields are expected to be higher due to exceptionally favorable weather. The current projection pegs the average yield at 73.7 tons per hectare for the 1997/98 crop, up from 69.9 tons per hectare in 1996/97.

The 1996/97 estimate for world sugar production has been revised to 122.3 million tons, down 1.7 million from the March 1997 estimate of 124.0 million. The reduction is mainly due to decreases in the following countries: India, down 914,000 tons to 14.7 million; Indonesia, down 355,000 tons to 2.1 million; Pakistan, down 230,000 tons, to 2.4 million; and Cuba, down 200,000 tons to 4.4 million.

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TABLE 20

**WORLD CENTRIFUGAL SUGAR PRODUCTION 1/  
(1,000 Metric tons)**

	1994/95	1995/96	1996/97	1997/98 2/
<b>NORTH AMERICA</b>				
Canada	171	151	145	115
Mexico	4,556	4,660	4,670	4,770
United States 3/ 4/	7,194	6,686	6,532	6,804
Total	11,921	11,497	11,347	11,689
<b>SOUTH AMERICA</b>				
Argentina	1,180	1,590	1,380	1,640
Bolivia	270	265	265	265
Brazil	12,500	13,700	14,650	14,800
Chile	505	598	473	418
Colombia	2,071	2,002	2,044	2,045
Ecuador	339	373	451	466
Guyana	254	280	288	290
Paraguay	95	126	110	110
Peru	641	641	610	670
Surinam	1	1	1	1
Uruguay	25	25	25	25
Venezuela	530	550	560	570
Total	18,411	20,151	20,857	21,300
<b>CENTRAL AMERICA</b>				
Belize	105	110	110	110
Costa Rica	331	353	355	370
El Salvador	312	310	389	414
Guatemala	1,333	1,334	1,442	1,520
Honduras	214	235	264	269
Nicaragua	250	301	358	358
Panama	135	159	178	180
Total	2,680	2,802	3,096	3,221
<b>CARIBBEAN</b>				
Barbados	40	60	65	65
Cuba	3,300	4,450	4,400	4,500
Dominican Republic	482	590	655	630
Guadeloupe	56	53	55	55
Haiti	0	10	10	10
Jamaica	212	238	240	242
Martinique	7	5	5	5
St. Kitts & Nevis	20	20	20	20
Trinidad & Tobago	117	118	122	126
Total	4,234	5,544	5,572	5,653
<b>EUROPEAN UNION</b>				
Austria	438	482	537	478
Belgium—Luxembourg	945	965	1,036	985
Denmark	487	470	548	507
Finland	167	176	143	165
France 5/	4,363	4,564	4,594	4,534
Germany	3,991	4,159	4,558	4,331
Greece	277	312	288	362
Ireland	232	241	247	220
Italy	1,622	1,621	1,561	1,565
Netherlands	1,050	1,074	1,125	1,087
Portugal	4	5	3	30
Spain	1,214	1,193	1,332	1,205
Sweden	370	387	433	440
United Kingdom	1,373	1,322	1,608	1,441
Total	16,533	16,971	18,013	17,350
<b>OTHER WESTERN EUROPE</b>				
Switzerland	128	135	200	180

FOOTNOTES AT END OF TABLE

TABLE 20, continued

WORLD CENTRIFUGAL SUGAR PRODUCTION 1/  
(1,000 Metric tons)

	1994/95	1995/96	1996/97	1997/98 2/
<b>EASTERN EUROPE</b>				
Albania	10	10	10	10
Bulgaria	13	15	9	9
Czech Republic	375	477	610	470
Hungary	425	484	490	480
Poland	1,492	1,714	2,497	1,900
Romania	212	270	300	315
Slovakia	130	145	246	246
Former Yugoslavia 7/	340	242	409	280
Total	2,997	3,357	4,571	3,710
<b>FSU-12</b>				
Belarus	107	152	140	140
Kazakstan	60	50	65	65
Kyrgyzstan	11	15	15	15
Moldova	160	190	190	190
Russia	1,655	2,060	1,750	1,800
Ukraine	3,600	3,800	2,900	2,850
Total	5,593	6,267	5,060	5,060
<b>BALTIC STATES</b>				
Latvia	30	35	35	35
Lithuania	50	80	70	70
Total	80	115	105	105
<b>SUB-SAHARAN AFRICA</b>				
Angola	35	35	35	35
Benin	5	5	5	5
Burkina	20	20	20	20
Burundi	15	15	15	15
Cameroon	60	60	60	60
Chad	20	20	20	20
Congo (Brazzaville)	30	35	35	35
Cote d' Ivoire	150	130	150	150
Ethiopia	200	200	170	170
Gabon	20	20	20	20
Ghana	5	5	5	5
Guinea	25	25	25	25
Kenya	302	386	388	410
Madagascar	80	80	80	80
Malawi	200	200	200	200
Mali	20	20	20	20
Mauritius	532	572	625	630
Mozambique	20	30	30	30
Nigeria	40	30	15	16
Reunion	165	209	229	229
Rwanda	5	5	5	5
Senegal	90	90	90	90
Sierra Leone	7	7	7	7
Somalia	30	30	30	30
South Africa	1,770	1,769	2,408	2,500
Swaziland	495	447	502	467
Tanzania	135	130	110	110
Togo	5	5	5	5
Uganda	50	75	90	90
Zaire	83	85	90	90
Zambia	155	160	170	170
Zimbabwe	524	534	337	604
Total	5,293	5,434	5,991	6,343

FOOTNOTES AT END OF TABLE

TABLE 20, continued  
WORLD CENTRIFUGAL SUGAR PRODUCTION 1/  
(1,000 Metric tons)

	1994/95	1995/96	1996/97	1997/98 2/
<b>NORTH AFRICA</b>				
Algeria	10	10	10	10
Egypt	1,088	1,092	1,184	1,225
Morocco	470	436	438	433
Sudan	470	500	500	500
Tunisia	26	30	35	35
Total	2,064	2,068	2,167	2,203
<b>MIDDLE EAST</b>				
Iran	900	940	700	700
Iraq	12	12	12	12
Lebanon	18	25	30	30
Syria	115	115	109	115
Turkey	1,678	1,375	2,025	2,200
Total	2,723	2,467	2,876	3,057
<b>OTHER ASIA</b>				
Afghanistan	10	10	10	10
Bangladesh	290	200	150	150
Burma	60	60	60	60
China	5,900	6,686	7,085	7,175
India 6/	16,410	18,225	14,686	13,650
Indonesia	2,450	2,090	2,095	2,150
Japan	817	901	765	870
Malaysia	102	105	108	110
Nepal	45	45	45	45
Pakistan	3,212	2,643	2,370	2,960
Philippines	1,647	1,787	1,800	1,800
Sri Lanka	60	60	60	60
Taiwan	441	392	340	330
Thailand	5,448	6,223	6,255	6,360
Vietnam	450	535	600	600
Total	37,342	39,962	36,429	36,330
<b>OCEANIA</b>				
Australia	5,196	5,049	5,491	5,650
Fiji	535	481	470	470
Papua New Guinea	35	35	35	35
Total	5,766	5,565	5,996	6,155
<b>WORLD TOTAL</b>	<b>115,765</b>	<b>122,335</b>	<b>122,280</b>	<b>122,356</b>

1/ National crop years. About one-half are on a September/August basis. Crop years for Southern Hemisphere countries begin prior to September. Factors for converting from refined to raw value sugar are 1.07 for cane sugar, 1.07 for U.S. beet sugar, and 1.087 for beet sugar in other countries.

2/ Forecast.

3/ Preliminary.

4/ United States data include continental beet and cane and Hawaii cane sugar, and Puerto Rico cane sugar.

5/ French data exclude production of cane sugar in Guadeloupe, Martinique, and Reunion which are listed separately.

6/ Indian data include production of Khandsari sugar, a native type, semi-white centrifugal sugar.

Estimated output of Khandsari sugar in thousands of tons (raw value equivalent) is as follows: 1994/95 – 740; 1995/96 – 620; 1996/97 – 770; 1997/98 – 800.

7/ Includes all 6 republics of the Former Yugoslavia.

TABLE 21  
SUGARBEET AREA, YIELD, AND PRODUCTION  
World and Selected Countries 1/

COUNTRY/YEAR	AREA HARVESTED	BEET YIELD	SUGARBEET PRODUCTION	RAW SUGAR	RECOVERY RATE	SUGAR YIELD
	1,000 Ha	MT/Ha	1,000 MT	1,000 MT	Percent	MT/Ha
<b>NORTH AMERICA</b>						
United States 2/						
1995/96	575	44.3	25,460	3,553	14.0	6.18
1996/97	535	45.1	24,104	3,629	15.1	6.78
1997/98 MAY	577	45.3	26,134	3,901	14.9	6.76
<b>EUROPEAN UNION</b>						
Austria						
1995/96	52	55.5	2,885	482	16.7	9.27
1996/97	52	60.2	3,131	537	17.2	10.33
1997/98 MAY	51	54.9	2,800	478	17.1	9.37
Belgium—Luxembourg						
1995/96	104	60.5	6,291	965	15.3	9.28
1996/97	103	59.2	6,100	1,036	17.0	10.06
1997/98 MAY	103	58.3	6,000	985	16.4	9.56
Denmark						
1995/96	67	44.6	2,985	470	15.7	7.01
1996/97	68	51.5	3,500	548	15.7	8.06
1997/98 MAY	68	50.0	3,400	507	14.9	7.46
France						
1995/96	429	58.6	25,121	4,564	18.2	10.64
1996/97	422	57.8	24,400	4,594	18.8	10.89
1997/98 MAY	420	58.3	24,500	4,534	18.5	10.80
Germany						
1995/96	519	50.2	26,049	4,159	16.0	8.01
1996/97	514	52.5	27,000	4,558	16.9	8.87
1997/98 MAY	512	51.8	26,500	4,331	16.3	8.46
Greece						
1995/96	42	61.0	2,561	312	12.2	7.43
1996/97	40	59.5	2,380	288	12.1	7.20
1997/98 MAY	50	60.0	3,000	362	12.1	7.24
Ireland						
1995/96	35	44.2	1,547	241	15.6	6.89
1996/97	34	41.8	1,420	247	17.4	7.26
1997/98 MAY	32	40.6	1,300	220	16.9	6.88
Italy						
1995/96	285	45.4	12,932	1,621	12.5	5.69
1996/97	248	45.0	11,150	1,561	14.0	6.29
1997/98 MAY	275	45.5	12,500	1,565	12.5	5.69
Netherlands						
1995/96	116	55.6	6,449	1,074	16.7	9.26
1996/97	116	58.0	6,728	1,125	16.7	9.70
1997/98 MAY	116	56.0	6,500	1,087	16.7	9.37
Portugal						
1995/96	1	80.0	80	5	6.3	5.00
1996/97	1	55.0	55	3	5.5	3.00
1997/98 MAY	4	50.0	200	30	15.0	7.50
Spain						
1995/96	173	43.1	7,450	1,189	16.0	6.87
1996/97	160	48.1	7,700	1,323	17.2	8.27
1997/98 MAY	151	45.0	6,800	1,196	17.6	7.92
United Kingdom						
1995/96	170	49.2	8,360	1,322	15.8	7.78
1996/97	170	49.6	8,432	1,608	19.1	9.46
1997/98 MAY	170	49.4	8,400	1,441	17.2	8.48

FOOTNOTES AT END OF TABLE

TABLE 21, continued

**SUGARBEET AREA, YIELD, AND PRODUCTION**  
**World and Selected Countries 1/**

COUNTRY/YEAR	AREA HARVESTED	BEET YIELD	SUGARBEET PRODUCTION	RAW SUGAR	RECOVERY RATE	SUGAR YIELD
	1,000 Ha	MT/Ha	1,000 MT	1,000 MT	Percent	MT/Ha
<b>Total European Union</b>						
1995/96	2,085	51.0	106,298	16,967	16.0	8.14
1996/97	2,021	52.4	105,896	18,004	17.0	8.91
1997/98 MAY	2,046	51.7	105,800	17,341	16.4	8.48
<b>EAST EUROPE</b>						
Albania						
1995/96	7	21.4	150	10	6.7	1.43
1996/97	7	21.4	150	10	6.7	1.43
1997/98 MAY	7	21.4	150	10	6.7	1.43
Bulgaria						
1995/96	9	15.0	135	15	11.1	1.67
1996/97	8	17.5	140	9	6.4	1.13
1997/98 MAY	8	8.8	70	9	12.9	1.13
Czech Republic						
1995/96	93	39.9	3,712	477	12.9	5.13
1996/97	104	41.5	4,316	610	14.1	5.87
1997/98 MAY	90	38.0	3,420	470	13.7	5.22
Hungary						
1995/96	122	36.6	4,460	484	10.9	3.97
1996/97	118	39.7	4,687	490	10.5	4.15
1997/98 MAY	120	37.5	4,500	480	10.7	4.00
Poland						
1995/96	384	34.7	13,309	1,714	12.9	4.46
1996/97	451	38.7	17,460	2,497	14.3	5.54
1997/98 MAY	400	35.0	14,000	1,900	13.6	4.75
Romania						
1995/96	133	20.0	2,655	270	10.2	2.03
1996/97	135	20.3	2,735	300	11.0	2.22
1997/98 MAY	140	18.6	2,600	315	12.1	2.25
Slovakia						
1995/96	35	33.6	1,176	145	12.3	4.14
1996/97	42	42.4	1,780	246	13.8	5.86
1997/98 MAY	42	42.4	1,780	246	13.8	5.86
Yugoslavia 3/						
1995/96	94	25.8	2,425	242	10.0	2.57
1996/97	106	35.0	3,710	409	11.0	3.86
1997/98 MAY	91	28.3	2,575	280	10.9	3.08
Total Eastern Europe						
1995/96	877	32.0	28,022	3,357	12.0	3.83
1996/97	971	36.0	34,978	4,571	13.1	4.71
1997/98 MAY	898	32.4	29,095	3,710	12.8	4.13
FSU-12						
Belarus						
1995/96	55	21.3	1,172	152	13.0	2.76
1996/97	58	19.0	1,100	140	12.7	2.41
1997/98 MAY	58	19.0	1,100	140	12.7	2.41
Kazakhstan						
1995/96	45	15.6	700	50	7.1	1.11
1996/97	50	12.0	600	65	10.8	1.30
1997/98 MAY	50	12.0	600	65	10.8	1.30

FOOTNOTES AT END OF TABLE

MAY 1997

PRODUCTION ESTIMATES AND CROP ASSESSMENT DIVISION, FAS, USDA

TABLE 21, continued  
SUGARBEET AREA, YIELD, AND PRODUCTION  
World and Selected Countries 1/

COUNTRY/YEAR	AREA HARVESTED	BEET YIELD	SUGARBEET PRODUCTION	RAW SUGAR	RECOVERY RATE	SUGAR YIELD					
						MT/Ha					
1,000 Ha											
MT/Ha											
<b>FSU – 12 (CONT.)</b>											
<b>Kyrgyzstan</b>											
1995/96	12	13.3	160	15	9.4	1.25					
1996/97	12	17.9	215	15	7.0	1.25					
1997/98 MAY	12	17.0	204	15	7.4	1.25					
<b>Moldova</b>											
1995/96	74	25.9	1,913	190	9.9	2.57					
1996/97	75	24.0	1,800	190	10.6	2.53					
1997/98 MAY	75	24.0	1,800	190	10.6	2.53					
<b>Russia</b>											
1995/96	1,085	17.6	19,110	2,060	10.8	1.90					
1996/97	1,013	16.3	16,500	1,750	10.6	1.73					
1997/98 MAY	980	17.3	17,000	1,800	10.6	1.84					
<b>Ukraine</b>											
1995/96	1,448	19.3	28,000	3,800	13.6	2.62					
1996/97	1,390	18.3	25,500	2,900	11.4	2.09					
1997/98 MAY	1,300	19.5	25,400	2,850	11.2	2.19					
<b>Total FSU-12</b>											
1995/96	2,719	18.8	51,055	6,267	12.3	2.30					
1996/97	2,598	17.6	45,715	5,060	11.1	1.95					
1997/98 MAY	2,475	18.6	46,104	5,060	11.0	2.04					
<b>BALTICS</b>											
<b>Latvia</b>											
1995/96	20	15.0	300	35	11.7	1.75					
1996/97	20	15.0	300	35	11.7	1.75					
1997/98 MAY	20	15.0	300	35	11.7	1.75					
<b>Lithuania</b>											
1995/96	32	25.9	830	80	9.6	2.50					
1996/97	32	25.0	800	70	8.8	2.19					
1997/98 MAY	32	25.0	800	70	8.8	2.19					
<b>Total Baltics</b>											
1995/96	52	21.7	1,130	115	10.2	2.21					
1996/97	52	21.2	1,100	105	9.5	2.02					
1997/98 MAY	52	21.2	1,100	105	9.5	2.02					
<b>MIDDLE EAST</b>											
<b>Turkey</b>											
1995/96	309	35.6	10,989	1,375	12.5	4.45					
1996/97	419	34.3	14,383	2,025	14.1	4.83					
1997/98 MAY	450	33.6	15,100	2,200	14.6	4.89					
<b>ASIA</b>											
<b>China 2/</b>											
1995/96	690	20.3	13,984	1,403	10.0	2.03					
1996/97	690	20.1	13,900	1,400	10.1	2.03					
1997/98 MAY	695	20.1	14,000	1,415	10.1	2.04					
<b>Japan 2/</b>											
1995/96	70	54.5	3,813	708	18.6	10.11					
1996/97	70	47.1	3,295	623	18.9	8.90					
1997/98 MAY	70	54.3	3,800	690	18.2	9.86					

FOOTNOTES AT END OF TABLE

TABLE 21, continued  
SUGARBEET AREA, YIELD, AND PRODUCTION  
World and Selected Countries 1/

COUNTRY/YEAR	AREA HARVESTED	BEET YIELD	SUGARBEET PRODUCTION	RAW SUGAR	RECOVERY RATE	SUGAR YIELD
	1,000 Ha	MT/Ha	1,000 MT	1,000 MT	Percent	MT/Ha
<b>Subtotal</b>						
1995/96	7,377	32.6	240,751	33,745	14.0	4.57
1996/97	7,356	33.1	243,371	35,417	14.6	4.81
1997/98 MAY	7,263	33.2	241,133	34,422	14.3	4.74
<b>Others</b>						
1995/96	386	41.3	15,954	2,238	14.0	5.80
1996/97	386	40.5	15,629	2,026	13.0	5.25
1997/98 MAY	387	39.4	15,260	1,976	12.9	5.11
<b>WORLD</b>						
1995/96	7,763	33.1	256,705	35,983	14.0	4.64
1996/97	7,742	33.5	259,000	37,443	14.5	4.84
1997/98 MAY	7,650	33.5	256,393	36,398	14.2	4.76

1/ Refined beet sugar is converted to raw value by a factor of 1.07 in the United States and 1.087 in other countries.

2/ Produces cane sugar as well as beet sugar.

3/ Includes all 6 republics of the former Yugoslavia.

TABLE 22

**SUGARCANE AREA, YIELD, AND PRODUCTION**  
**World and Selected Countries 1/**

COUNTRY/YEAR	AREA HARVESTED	CANE YIELD	SUGARCANE PRODUCTION	RAW SUGAR	RECOVERY RATE	SUGAR YIELD
	1,000 Ha	MT/Ha	1,000 MT	1,000 MT	Percent	MT/Ha
<b>Argentina</b>						
1995/96	250	54.8	13,700	1,590	11.6	6.36
1996/97	260	52.3	13,600	1,380	10.1	5.31
1997/98 MAY	270	55.6	15,000	1,640	10.9	6.07
<b>Australia</b>						
1995/96	383	97.6	37,378	5,049	13.5	13.18
1996/97	402	99.2	39,878	5,491	13.8	13.66
1997/98 MAY	412	99.2	40,878	5,650	13.8	13.71
<b>Brazil</b>						
1995/96	1,560	59.6	93,000	13,700	14.7	8.78
1996/97	1,535	65.8	101,000	14,650	14.5	9.54
1997/98 MAY	1,570	66.9	105,000	14,800	14.1	9.43
<b>China 2/</b>						
1995/96	1,025	63.8	65,417	5,283	8.1	5.15
1996/97	1,045	65.6	68,500	5,685	8.3	5.44
1997/98 MAY	1,060	65.5	69,400	5,760	8.3	5.43
<b>Colombia</b>						
1995/96	136	128.9	17,535	2,002	11.4	14.72
1996/97	143	123.8	17,710	2,044	11.5	14.29
1997/98 MAY	151	117.9	17,800	2,045	11.5	13.54
<b>Cuba</b>						
1995/96	1,300	35.0	45,500	4,450	9.8	3.42
1996/97	1,300	34.6	45,000	4,400	9.8	3.38
1997/98 MAY	1,300	35.0	45,500	4,500	9.9	3.46
<b>Dominican Republic</b>						
1995/96	210	28.7	6,030	590	9.8	2.81
1996/97	220	30.8	6,770	655	9.7	2.98
1997/98 MAY	220	29.5	6,500	630	9.7	2.86
<b>Egypt 2/</b>						
1995/96	101	85.7	8,658	982	11.3	9.72
1996/97	102	87.3	8,900	1,024	11.5	10.04
1997/98 MAY	100	89.0	8,900	1,025	11.5	10.25
<b>Fiji</b>						
1995/96	58	69.0	4,000	481	12.0	8.29
1996/97	55	67.3	3,700	470	12.7	8.55
1997/98 MAY	55	67.3	3,700	470	12.7	8.55
<b>Guatemala</b>						
1995/96	163	78.8	12,852	1,334	10.4	8.18
1996/97	170	81.0	13,770	1,442	10.5	8.48
1997/98 MAY	178	81.7	14,550	1,520	10.4	8.54

FOOTNOTES AT END OF TABLE

TABLE 22, continued

**SUGARCANE AREA, YIELD, AND PRODUCTION**  
**World and Selected Countries 1/**

COUNTRY/YEAR	AREA HARVESTED	CANE YIELD	SUGARCANE PRODUCTION	RAW SUGAR	RECOVERY RATE	SUGAR YIELD
	1,000 Ha	MT/Ha	1,000 MT	1,000 MT	Percent	MT/Ha
<b>India 3/</b>						
1995/96	2,552	72.4	184,708	18,225	9.9	7.14
1996/97	2,120	69.7	147,858	14,686	9.9	6.93
1997/98 MAY	2,000	68.6	137,184	13,650	10.0	6.83
<b>Indonesia</b>						
1995/96	400	75.0	30,000	2,090	7.0	5.23
1996/97	405	70.6	28,600	2,095	7.3	5.17
1997/98 MAY	395	73.4	29,000	2,150	7.4	5.44
<b>Mauritius</b>						
1995/96	75	69.3	5,200	572	11.0	7.63
1996/97	77	75.1	5,780	625	10.8	8.12
1997/98 MAY	77	75.1	5,780	630	10.9	8.18
<b>Mexico</b>						
1995/96	574	70.0	40,185	4,660	11.6	8.12
1996/97	575	69.9	40,200	4,670	11.6	8.12
1997/98 MAY	570	73.7	42,000	4,770	11.4	8.37
<b>Pakistan 2/</b>						
1995/96	599	47.0	28,151	2,621	9.3	4.38
1996/97	554	46.2	25,580	2,350	9.2	4.24
1997/98 MAY	680	46.5	31,600	2,940	9.3	4.32
<b>Peru</b>						
1995/96	59	107.2	6,325	641	10.1	10.86
1996/97	54	113.3	6,119	610	10.0	11.30
1997/98 MAY	60	106.7	6,400	670	10.5	11.17
<b>Philippines</b>						
1995/96	367	62.1	22,774	1,787	7.8	4.87
1996/97	365	61.6	22,500	1,800	8.0	4.93
1997/98 MAY	360	62.5	22,500	1,800	8.0	5.00
<b>South Africa</b>						
1995/96	273	61.2	16,714	1,769	10.6	6.48
1996/97	301	69.6	20,951	2,408	11.5	8.00
1997/98 MAY	310	71.0	22,000	2,500	11.4	8.06
<b>Sudan</b>						
1995/96	50	100.0	5,000	500	10.0	10.00
1996/97	50	100.0	5,000	500	10.0	10.00
1997/98 MAY	50	100.0	5,000	500	10.0	10.00
<b>Swaziland</b>						
1995/96	37	100.0	3,700	447	12.1	12.08
1996/97	37	100.0	3,700	502	13.6	13.57
1997/98 MAY	36	100.0	3,600	467	13.0	12.97

FOOTNOTES AT END OF TABLE

TABLE 22, continued

**SUGARCANE AREA, YIELD, AND PRODUCTION**  
**World and Selected Countries 1/**

COUNTRY/YEAR	AREA HARVESTED	CANE YIELD	SUGARCANE PRODUCTION	RAW SUGAR	RECOVERY RATE	SUGAR YIELD
	1,000 Ha	MT/Ha	1,000 MT	1,000 MT	Percent	MT/Ha
<b>Taiwan</b>						
1995/96	47	84.7	3,981	392	9.8	8.34
1996/97	45	82.0	3,690	340	9.2	7.56
1997/98 MAY	45	77.8	3,500	330	9.4	7.33
<b>Thailand</b>						
1995/96	960	60.1	57,693	6,223	10.8	6.48
1996/97	985	59.9	59,000	6,255	10.6	6.35
1997/98 MAY	990	60.6	60,000	6,360	10.6	6.42
<b>U.S. (Hawaii) 4/</b>						
1995/96	16	185.8	2,972	415	14.0	25.94
1996/97	14	191.8	2,685	327	12.2	23.36
1997/98 MAY	13	187.8	2,441	308	12.6	23.69
<b>U.S. (Mainland) 2/ 5/</b>						
1995/96	334	68.5	22,863	2,687	11.8	8.04
1996/97	319	68.9	21,986	2,553	11.6	8.00
1997/98 MAY	331	65.9	21,823	2,572	11.8	7.77
<b>Venezuela</b>						
1995/96	114	60.0	6,844	550	8.0	4.82
1996/97	116	60.0	6,960	560	8.0	4.83
1997/98 MAY	117	60.0	7,020	570	8.1	4.87
<b>Zimbabwe</b>						
1995/96	34	111.0	3,773	534	14.2	15.71
1996/97	34	80.5	2,737	337	12.3	9.91
1997/98 MAY	40	116.0	4,640	604	13.0	15.10
<b>Subtotal</b>						
1995/96	11,677	63.8	744,953	79,574	10.7	6.81
1996/97	11,283	64.0	722,174	77,859	10.8	6.90
1997/98 MAY	11,390	64.2	731,716	78,861	10.8	6.92
<b>Others</b>						
1995/96	1,300	57.3	74,501	6,778	9.1	5.21
1996/97	1,309	58.9	77,050	6,978	9.1	5.33
1997/98 MAY	1,324	58.7	77,723	7,097	9.1	5.36
<b>WORLD</b>						
1995/96	12,977	63.1	819,454	86,352	10.5	6.65
1996/97	12,592	63.5	799,224	84,837	10.6	6.74
1997/98 MAY	12,714	63.7	809,439	85,958	10.6	6.76

1/ Refined cane sugar is converted to raw value by a factor of 1.07.

2/ Produces beet sugar as well as cane sugar.

3/ Includes Khandsari (native type semi-white centrifugal sugar).

4/ Hawaiian cane is harvested once every 24 months. Consequently, yields per hectare are much higher than in countries where cane is harvested every year.

5/ Does not include Puerto Rico.

## WORLD COTTON PRODUCTION

World cotton production for 1997/98 is projected at 87.5 million bales, slightly lower than the 88.0 million estimated for 1996/97. For the 1996/97 season, China, India, and Pakistan had mixed results during their growing seasons. This is in contrast to the 1996/97 season when these countries had more favorable weather and reduced disease and pest problems resulting in a record crop for India and large crops for China and Pakistan. For 1995/96 it was these countries that helped push total world production to 92.2 million bales. This output propelled ending-stocks to the highest level since 1991/92. More-than-adequate stock levels have caused world cotton prices to continue their decline from 1994/95. The average cotton A-Index from August 1996 through April 1997 was nearly 9 cents per pound lower than for the same period a year earlier.

In China, 1997/98 output of cotton will likely drop from the current year. Farmers can earn more producing other crops such as grains, fruit, and vegetables than from cotton. Farmers are switching to these other crops that provide a higher return on investment and require less use of inputs, especially labor. Grains and vegetables are the most frequently mentioned alternative crops, especially in China's northern provinces of Hebei and Shandong. At this time it is unlikely that the official government procurement price of RMB 14,000/ton (RMB 6.35/pound) or about 76.6 U.S. cents per pound (RMB 8.29 = US\$1.00.) will increase. Without an increase in the procurement price, cotton area is expected to decline.

In India, weak cotton prices are expected to result in lower output for 1997/98. The price relationship between competing crops such as rice in northern India, tobacco and chillies in the south, and oilseeds and sugarcane in the central region also will be an important factor. Cotton prices have been unusually low in recent months. Cotton area in Punjab and

Haryana is likely to decline as farmers switch to more profitable crops such as rice, fruit, and vegetables. Similarly, higher prices for tobacco and chillies in Andhra Pradesh could induce a shift to these crops. Another region of uncertainty is the central state of Maharashtra, a major producer of both cotton and sugarcane, where producers of both crops are suffering from weak prices and it is not clear how this will affect cotton planting.

Cotton output in cotton Pakistan for 1997/98 may not be significantly different from a year ago when production reached 8.2 million bales. An area similar to the 1996/97 level of 3.2 million hectares is likely as domestic seed-cotton and lint prices are relatively high in relation to the international market. Strong demand by the textile industry under Pakistan's new free-trade scenario also supports higher domestic prices. To assure continued large cotton area, the Government halted increased sugarcane planting in cotton-growing regions of the Punjab. Also, the planned wide-scale distribution of new insect and virus-tolerant varieties in 1997/98 will help maintain cotton area at the 1996/97 level.

In the United States, cotton production is forecast at 18.5 million bales, down 0.4 million or 2 percent from 1996/97. As of May 5, cotton planting progressed slowly as cool, wet weather in the major cotton-producing states kept producers out of their fields. By that date, farmers had planted only 25 percent of the crop, behind both the 31 percent of a year ago and the five-year-average of 37 percent. Cotton planting was nearing completion in California and Arizona. Many cotton producers in Mississippi are waiting for dry weather to continue planting. Some planting got underway the week of May 5 on irrigated fields in Texas.

## WORLD COTTON AREA, YIELD, AND PRODUCTION

<u>Year</u>	<u>Harvested Area</u> (1,000 Ha)	<u>Yield</u> (Kg/Ha)	<u>Production</u> (1,000 Bales*)
1987/88	30,863	572	81,095
1988/89	33,817	544	84,423
1989/90	31,567	550	79,745
1990/91	33,171	571	87,016
1991/92	34,820	598	95,681
1992/93	32,631	550	82,450
1993/94	30,706	544	76,701
1994/95	32,149	579	85,520
1995/96	35,878	559	92,174
1996/97 p	33,694	568	87,945
5-yr. avg.	33,012	560	84,958
1997/98 f	33,000	577	87,500

\*480-pound bales

p = preliminary

f = forecast

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## 1997/98 WORLD GRAIN OUTLOOK

World grain production (wheat, coarse grains, and milled rice) for 1997/98 is forecast at 1,854.6 million tons, down 4.0 million or less than 1 percent from the record level set in 1996/97. World wheat production is forecast at 578.4 million ton, down 2.8 million or less than 1 percent from last season. The wheat crops are expected to be lower in the major exporting countries--Australia, Canada, the European Union, Argentina, and the United States. In addition, the wheat crops in Northwest Africa are expected to be lower due to drought. However, wheat production is forecast to increase from the 1996/97 level in China, India, and the FSU-12.

World coarse grain production for 1997/98 is forecast at 898.9 million tons, down 1.1 million or less than 1 percent from 1996/97. Coarse grain output is projected lower in China, Canada, Argentina, Brazil, and the European Union, while higher in the United States and FSU-12.

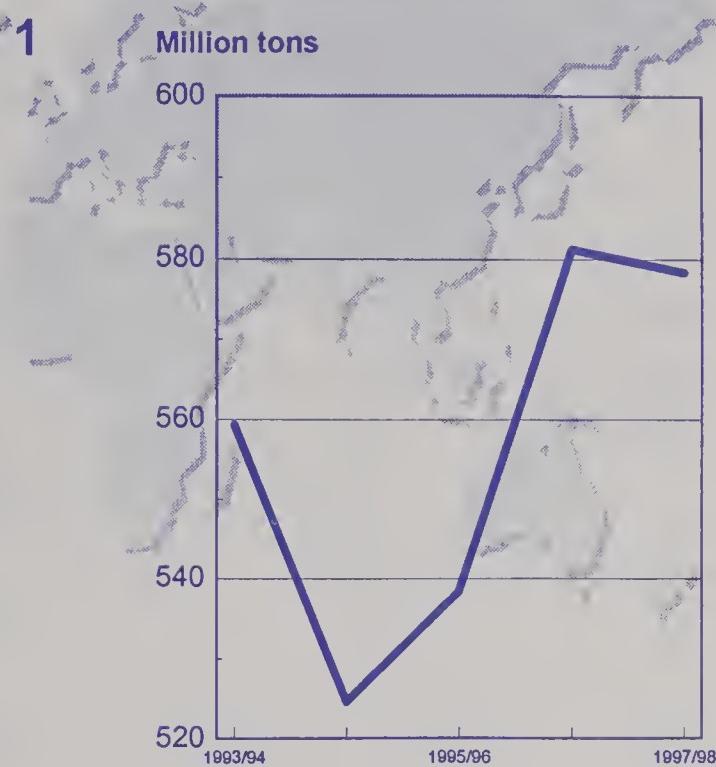
World rice production for 1997/98 is forecast at 377.3 million tons, down 0.1 million or less than 1 percent from 1996/97. Total foreign rice production is projected marginally higher; however, the United States is forecast lower than 1996/97. Country level supply and distribution estimates will be detailed for rice on July 11, 1997.

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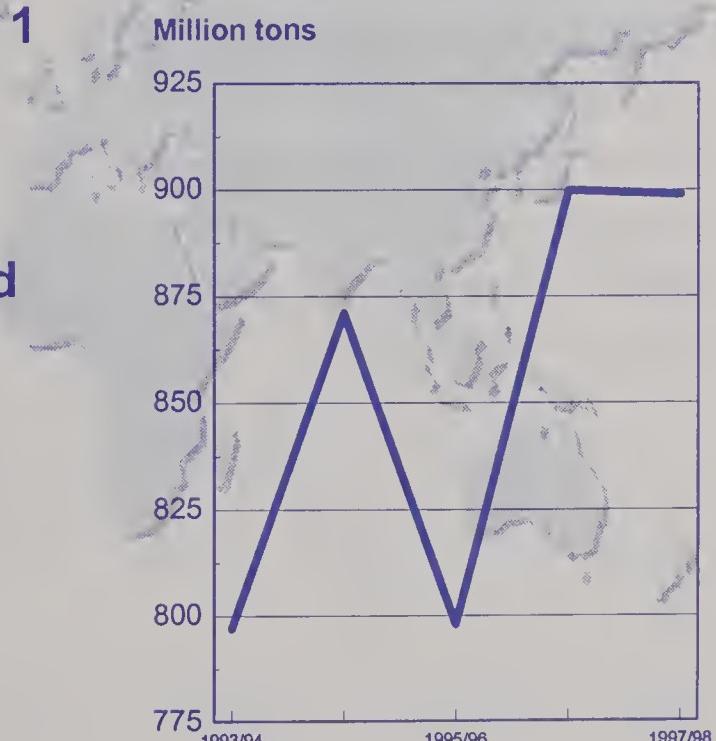
## World Wheat Output Decreases

- Area down 2.9 MHa or 1 percent
- Yield up 1 percent
- Production down 2.8 MMT or less than 1 percent from record 1996 crop



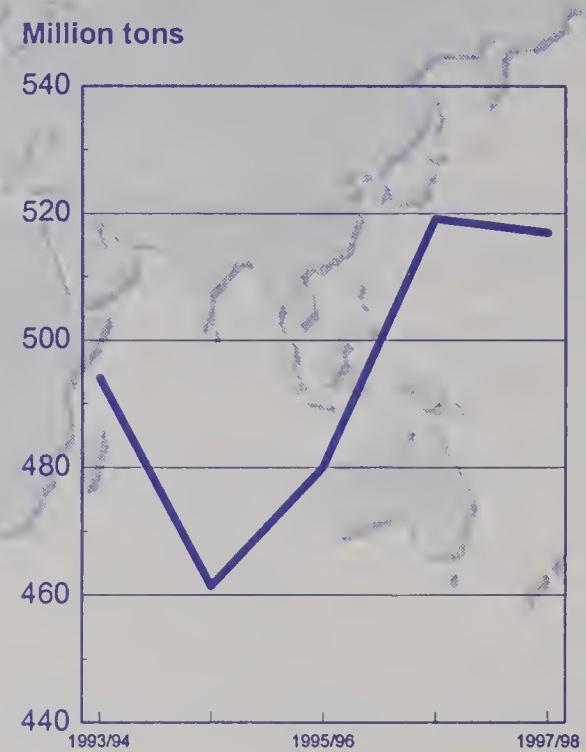
## World Coarse Grain Output Down Marginally

- Area down 4.4 MHa or 1 percent
- Yield up 1 percent
- Production down marginally from record 1996 crop



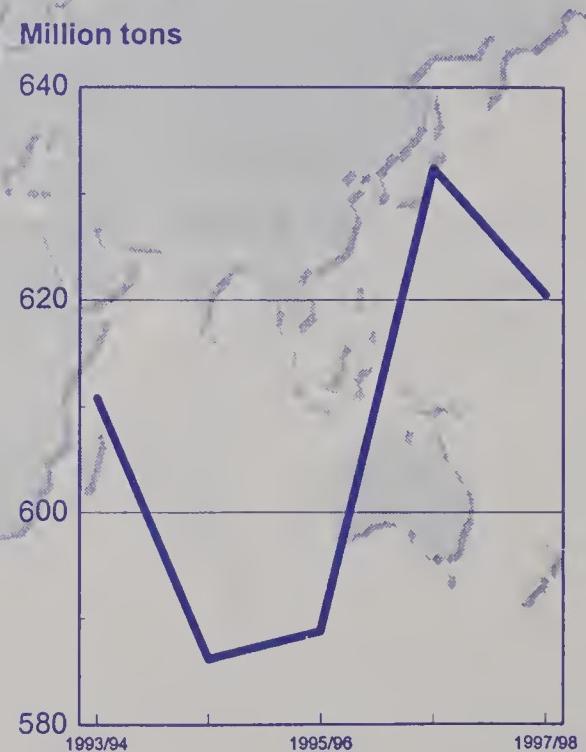
## Total Foreign Wheat Output Down Marginally

- Area down 2.1 MHa or 1 percent
- Yield up marginally
- Production down 2.3 MMT or less than 1 percent from record 1996 crop



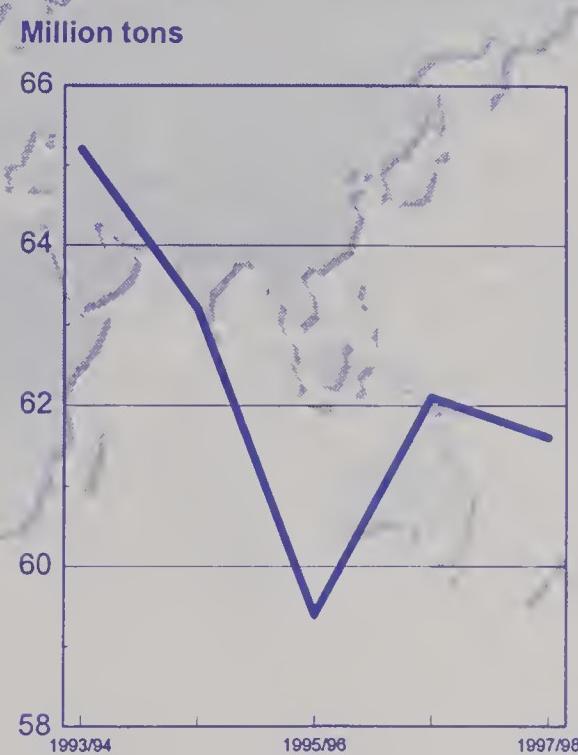
## Total Foreign Coarse Grain Output Decreases

- Area down 4.5 MHa or 2 percent
- Yield down marginally
- Production down 11.9 MMT or 2 percent from record 1996 crop



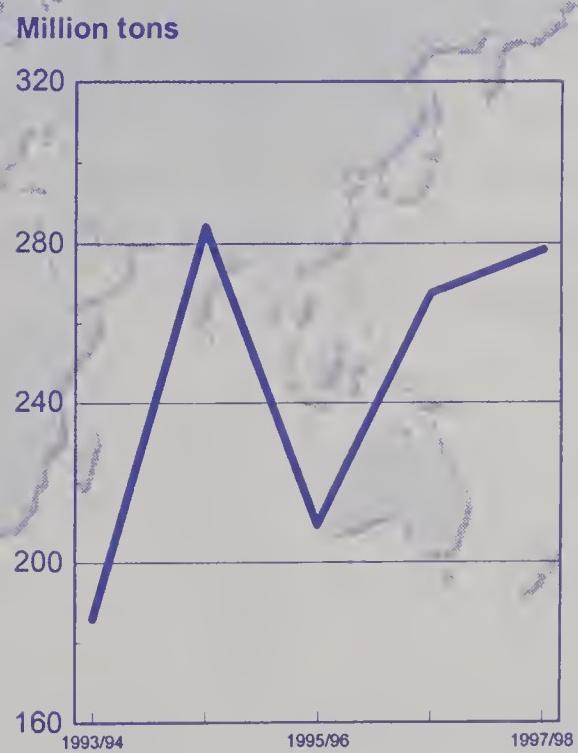
## United States Wheat Output Decreases

- Area down 0.8 MHa or 3 percent
- Yield up 2 percent
- Production down 0.6 MMT or 1 percent



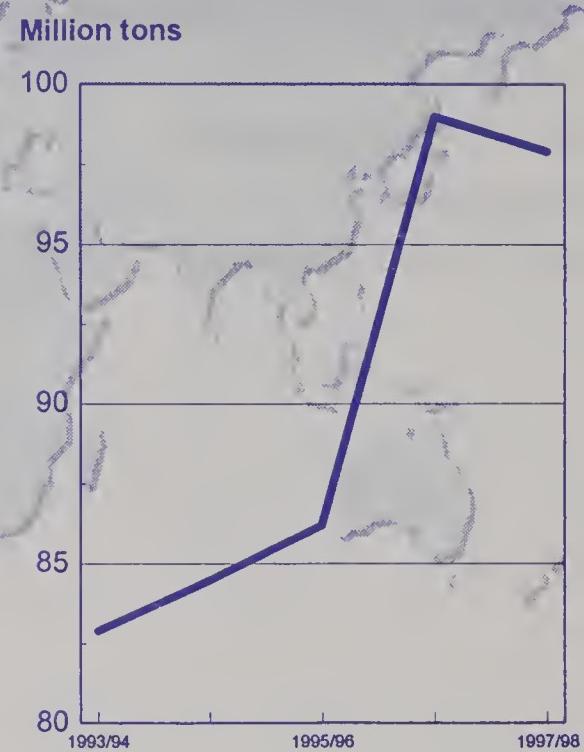
## United States Coarse Grain Output Increases

- Area up 0.1 MHa or less than 1 percent
- Yield up 4 percent
- Production up 10.8 MMT or 4 percent



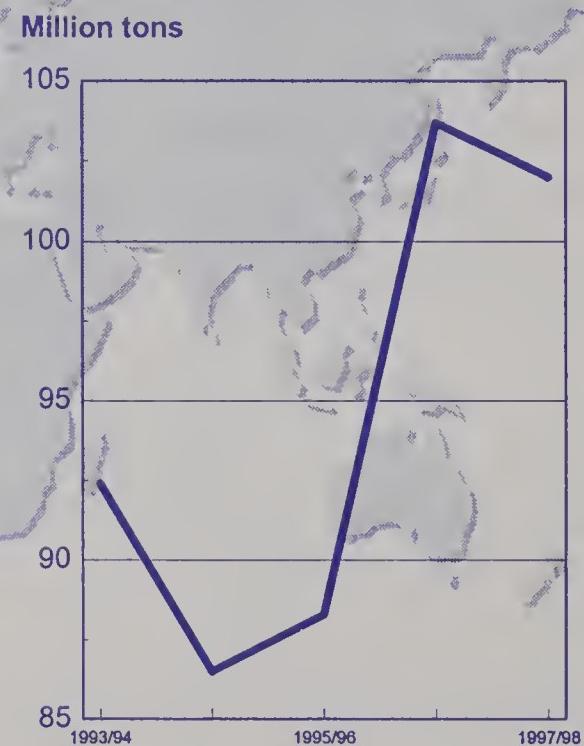
## EU Wheat Output Down Slightly

- Area up 0.5 MHa or 3 percent
- Yield down 4 percent
- Production down 1.2 MMT or 1 percent from record 1996 crop



## EU Coarse Grain Output Lower

- Area up 0.5 MHa or 2 percent
- Yield down 4 percent
- Production down 1.7 MMT or 2 percent



## Australia Wheat Output Lower

- Area unchanged
- Yield down 21 percent
- Production down 5.0 MMT or 21 percent from record 1996 crop

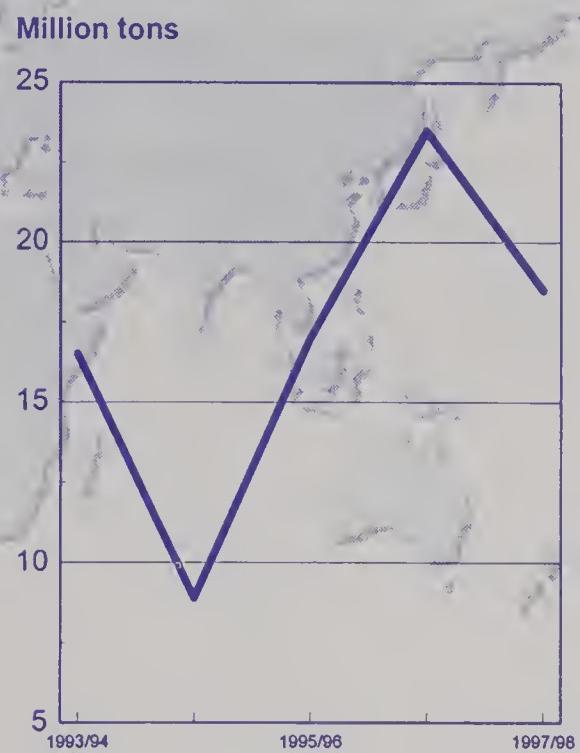


CHART 10

## Australia Coarse Grain Output Lower

- Area down 1 percent
- Yield down 6 percent
- Production decreases 0.5 MMT or 6 percent

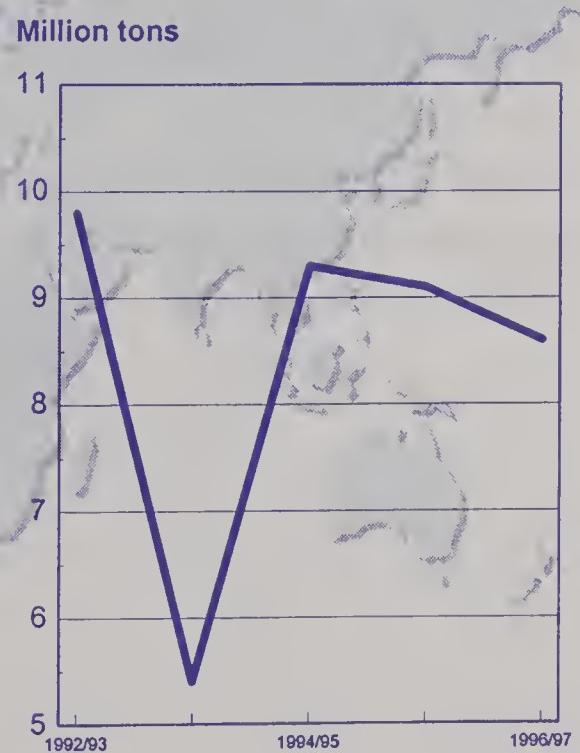


CHART 11

## Canada Wheat Output Lower

- Area down 1.0 MHa or 8 percent
- Yield down 8 percent from record 1996 crop
- Production down 4.5 MMT or 15 percent

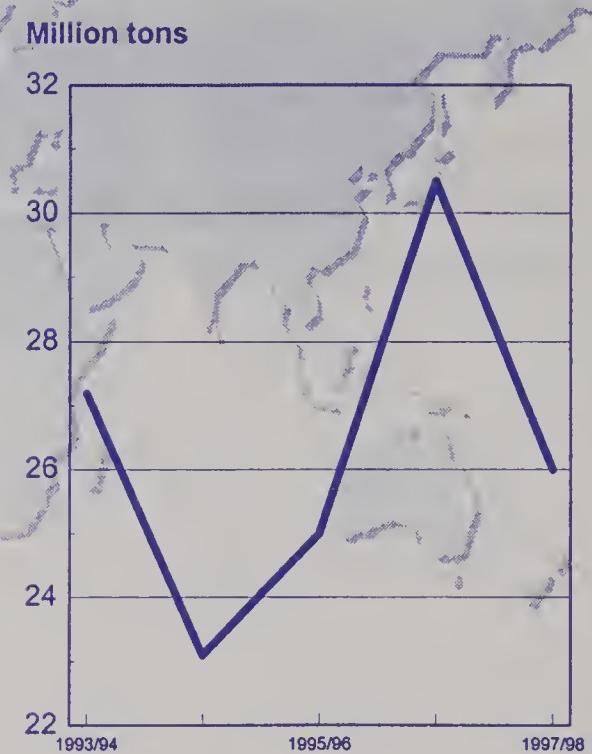
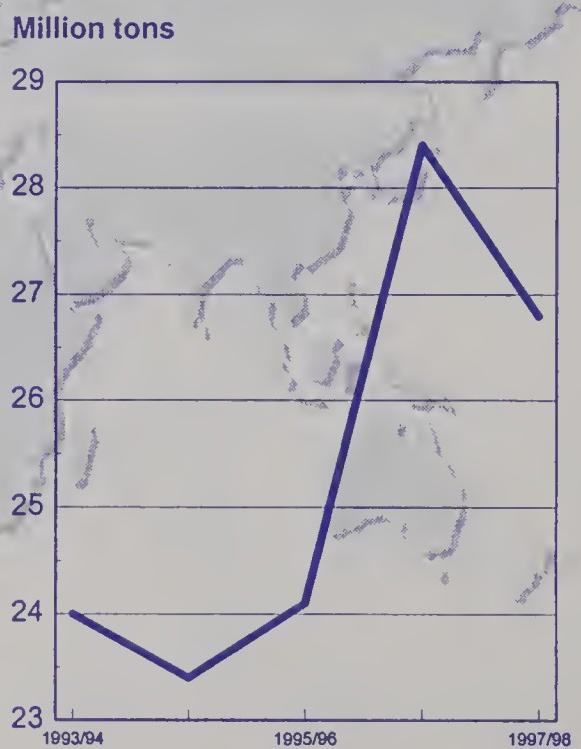


CHART 12

## Canada Coarse Grain Output Lower

- Area down 0.2 MHa or 3 percent
- Yield down 2 percent
- Production down 1.5 MMT or 5 percent



## Argentina Wheat Production Decreases

- Area decreases 0.6 MHa or 9 percent
- Yield down 3 percent
- Production decreases 1.9 MMT or 12 percent from 1996 record crop

Million tons

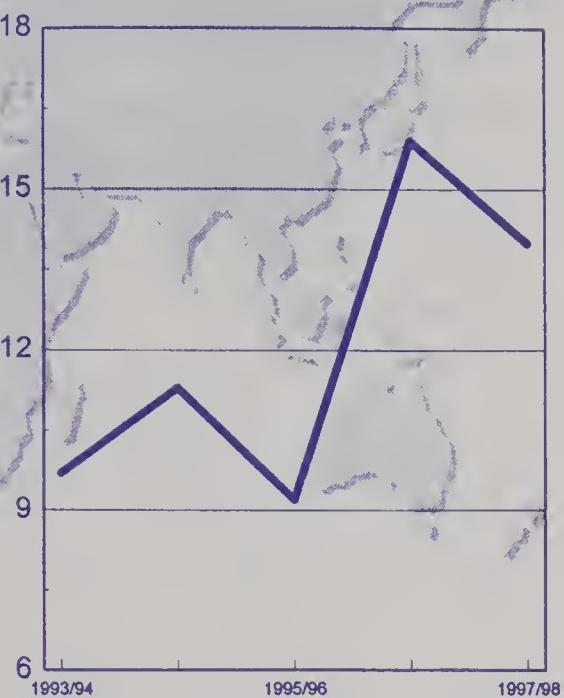


CHART 14

## Argentina Coarse Grain Output Down

- Area down 0.4 MHa or 9 percent
- Yield down 3 percent
- Production decreases 2.0 MMT or 11 percent

Million tons

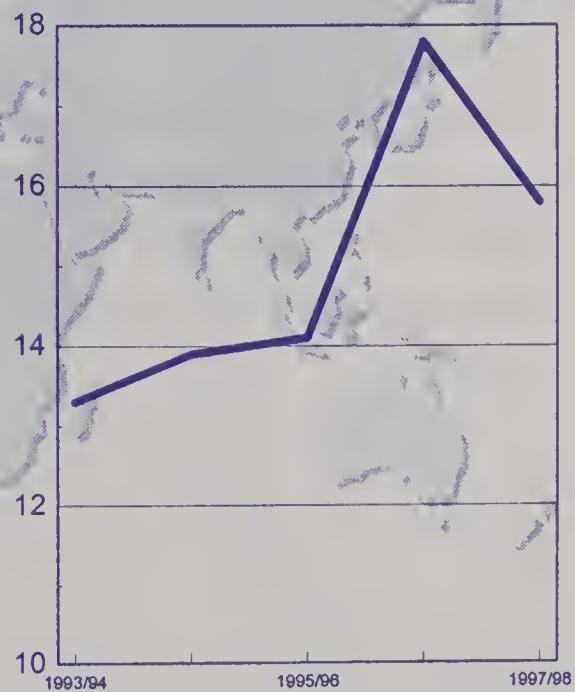


CHART 15

## China Wheat Output Higher

- Area up 0.5 MHa or 2 percent
- Yield up 3 percent
- Production up 5.0 MMT or 5 percent from 1996 record crop

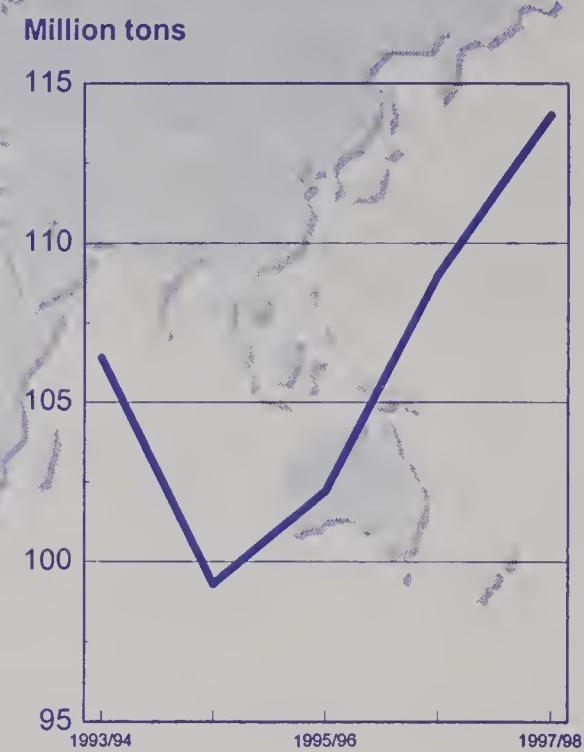
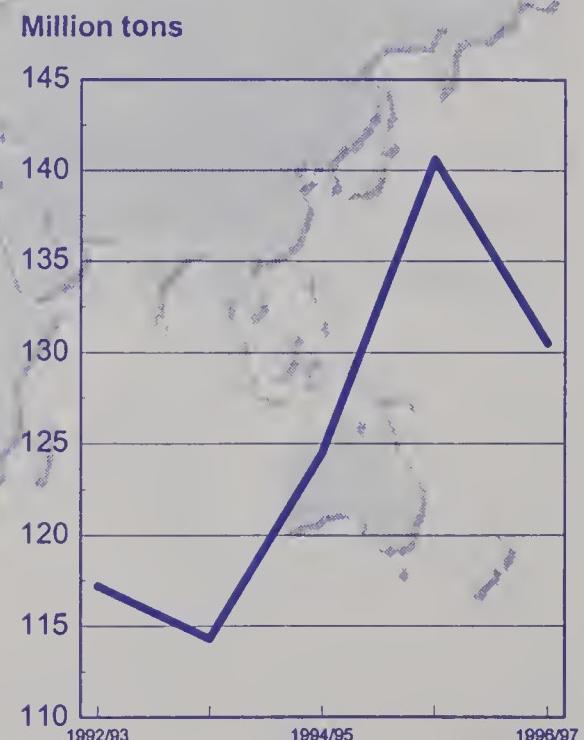


CHART 16

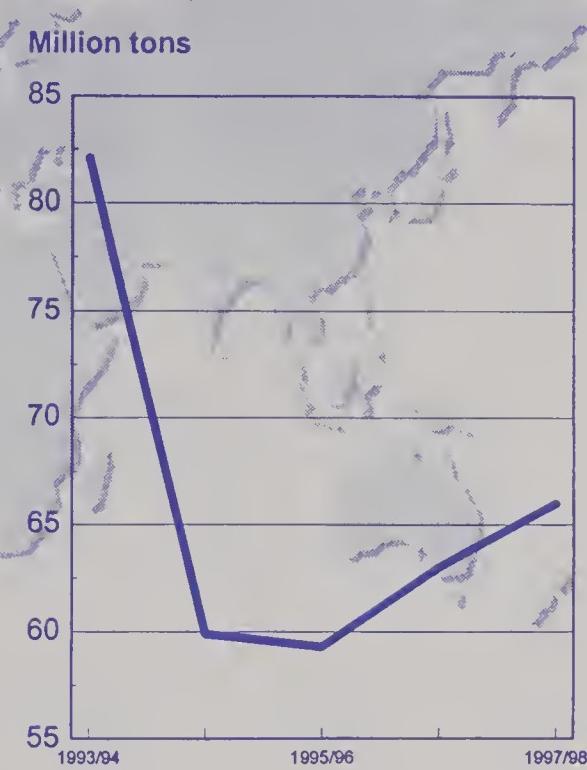
## China Coarse Grain Production Lower

- Area down 0.9 MHa or 3 percent
- Yield marginally lower
- Production down 5.5 MMT or 4 percent from last season's record level



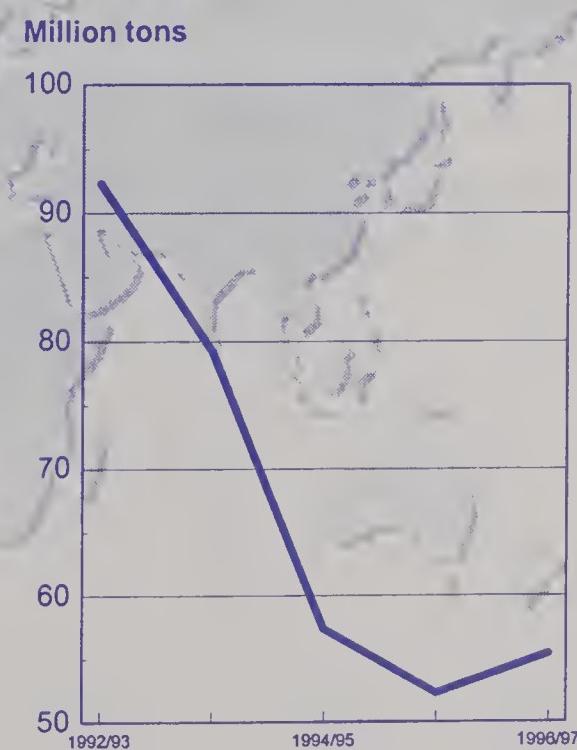
## FSU-12 Wheat Output Increases

- Area down 0.4 MHa or 1 percent
- Yield up 10 percent
- Production increases 5.2 MMT or 8 percent



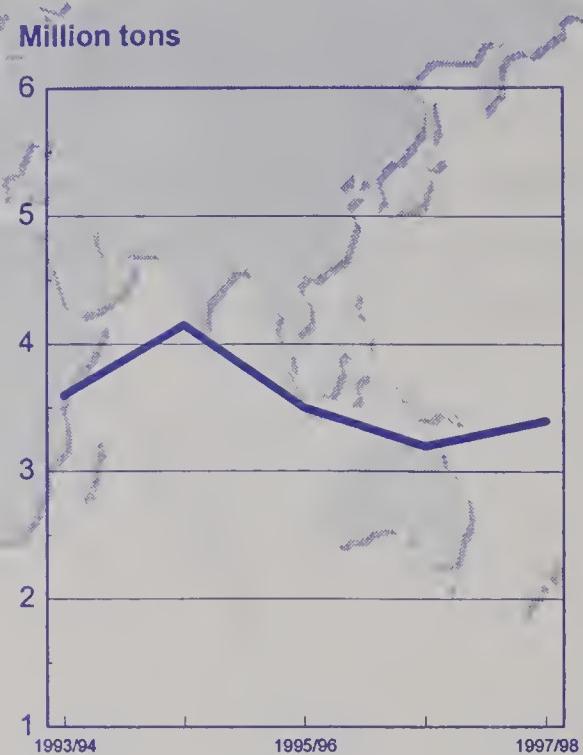
## FSU-12 Coarse Grain Output Increases

- Area down 1.8 MHa or 5 percent
- Yield up 11 percent
- Production increases 3.2 MMT or 6 percent



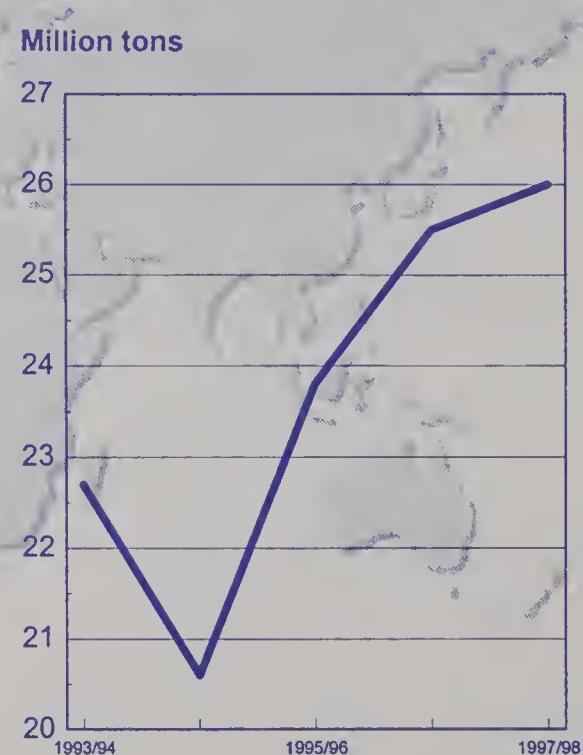
## Mexico Wheat Output Rises Slightly

- Area up 6 percent
- Yield unchanged
- Production up 0.2 MMT or 6 percent



## Mexico Coarse Grain Output Higher

- Area up 0.2 MHa or 2 percent
- Yield up marginally
- Production up 0.5 MMT or 2 percent



## Brazil Wheat Output Lower

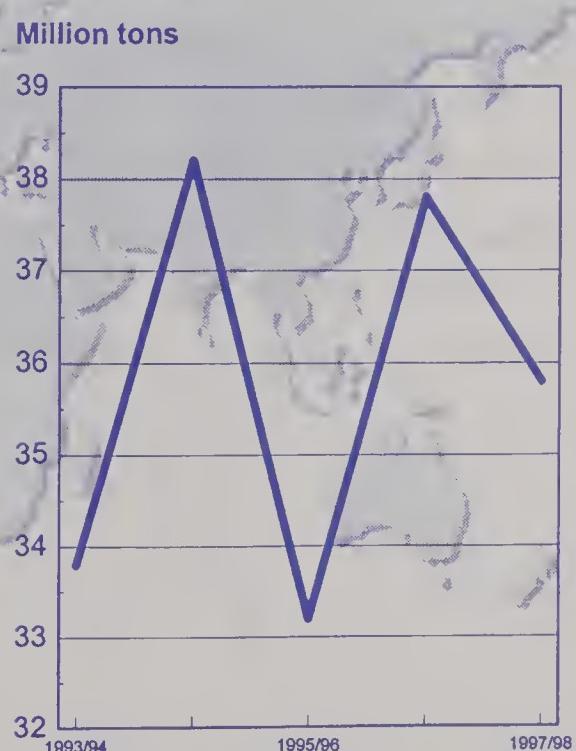
- Area down 0.3 MHa or 14 percent
- Yield down 10 percent
- Production decreases 0.7 MMT or 22 percent



CHART 22

## Brazil Coarse Grain Output Lower

- Area down 0.2 MHa or 1 percent
- Yield down 4 percent
- Production decreases 2.0 MMT or 5 percent



## Northwest Africa Wheat Output Lower

- Area down 1.4 MHa or 24 percent
- Yield down 45 percent
- Production decreases 5.9 MMT or 58 percent from last year's record

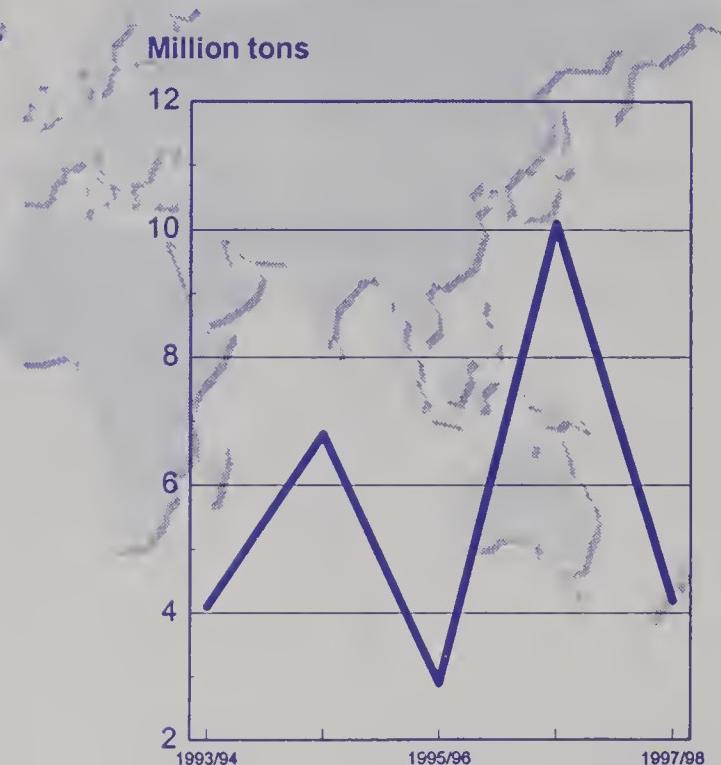
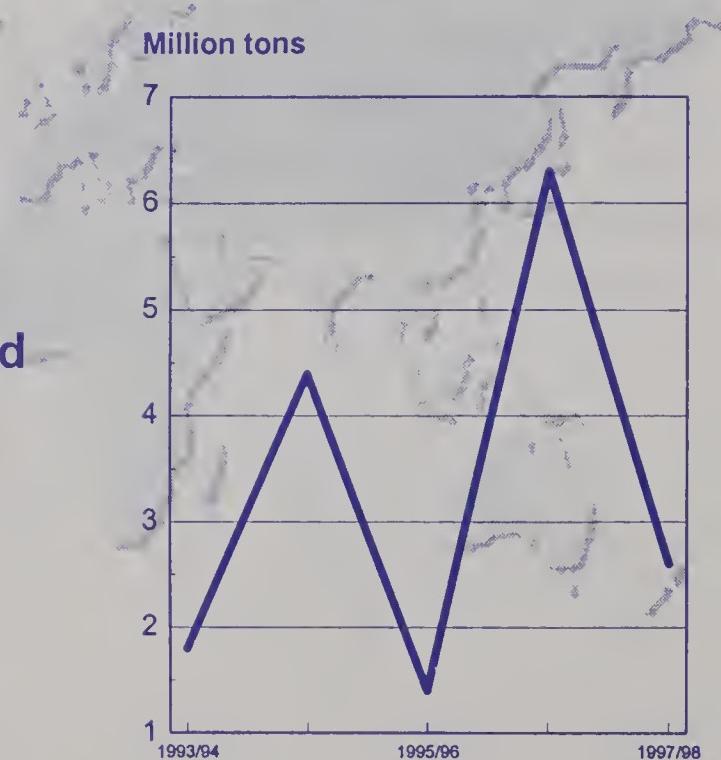


CHART 24

## Northwest Africa Coarse Grain Output Lower

- Area down 1.1 MHa or 25 percent
- Yield down 46 percent
- Production decreases 3.7 MMT or 59 percent from last season record



## World Rice Output Virtually Unchanged

- Country level estimates to be released in July
- Total foreign output increases marginally
- Total world production decreases 0.1 MMT or less than 1 percent from 1996 record

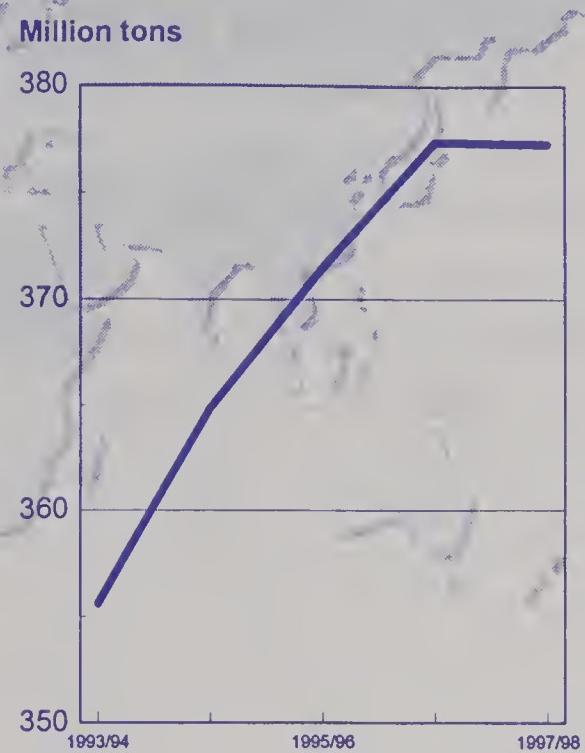
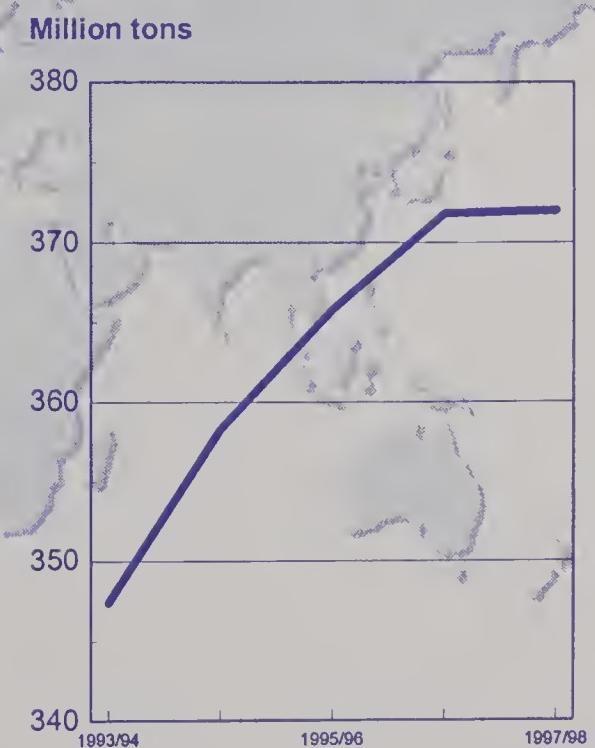


CHART 26

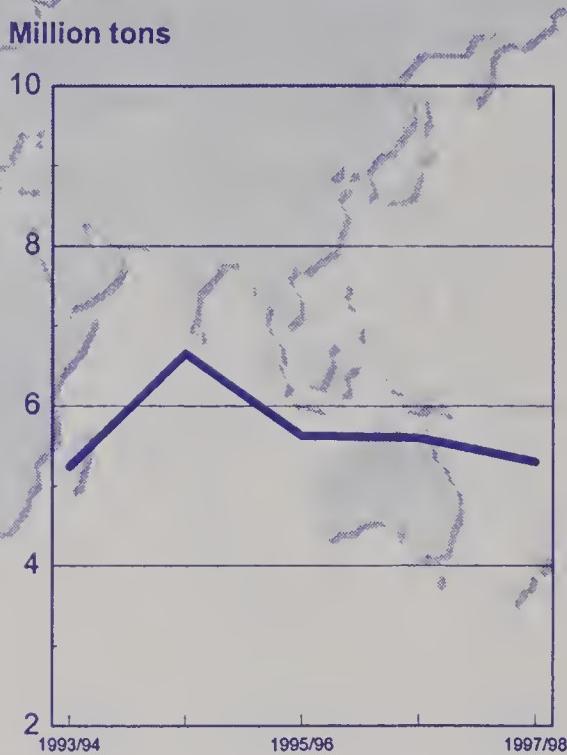
## Total Foreign Rice Output Increases

- Production up marginally from record 1996 crop



## United States Rice Output Lower

- Area increases 0.1 MHa or 1 percent
- Yield decreases 9 percent from 1996 record
- Production decreases 0.3 MMT or 5 percent



## INITIAL OILSEEDS FORECAST FOR 1997/98

World oilseed production for 1997/98 is forecast at 273.0 million tons, up 15.2 million or 6 percent from 1996/97. Total foreign oilseed production for 1997/98 is forecast at a record 192.2 million tons, up 9.2 million or 5 percent from last year. Total oilseed production in the United States is forecast at 80.8 million tons, up 6.0 million or 8 percent from last year.

Nearly seventy percent of the increase in total foreign oilseed production for 1997/98 is due to an increase in the forecast of world soybean output to a record 72.8 million tons, up 5.1 million or 8 percent over last year. Besides soybeans, the additional increase in oilseed production over 1996/97 is projected to come primarily from an increase in rapeseed output. Canada, especially, is projected to harvest a near-record canola crop.

The projected U.S. oilseed crop for 1997/98, at a record 80.8 million tons, reflects a record soybean crop of 70.8 million tons, up 6.0 million or 9 percent above last year. Overall, the U.S. soybean supply in 1997/98 will increase 6 percent, reflecting the smallest carryin stocks since the early 1970s. U.S. soybean area in 1997/98 is projected up 2.1 million hectares, the highest since 1982/83. Yield is forecast above average at 2.61 metric tons per hectare, second only to the record 2.78 tons in 1994/95.

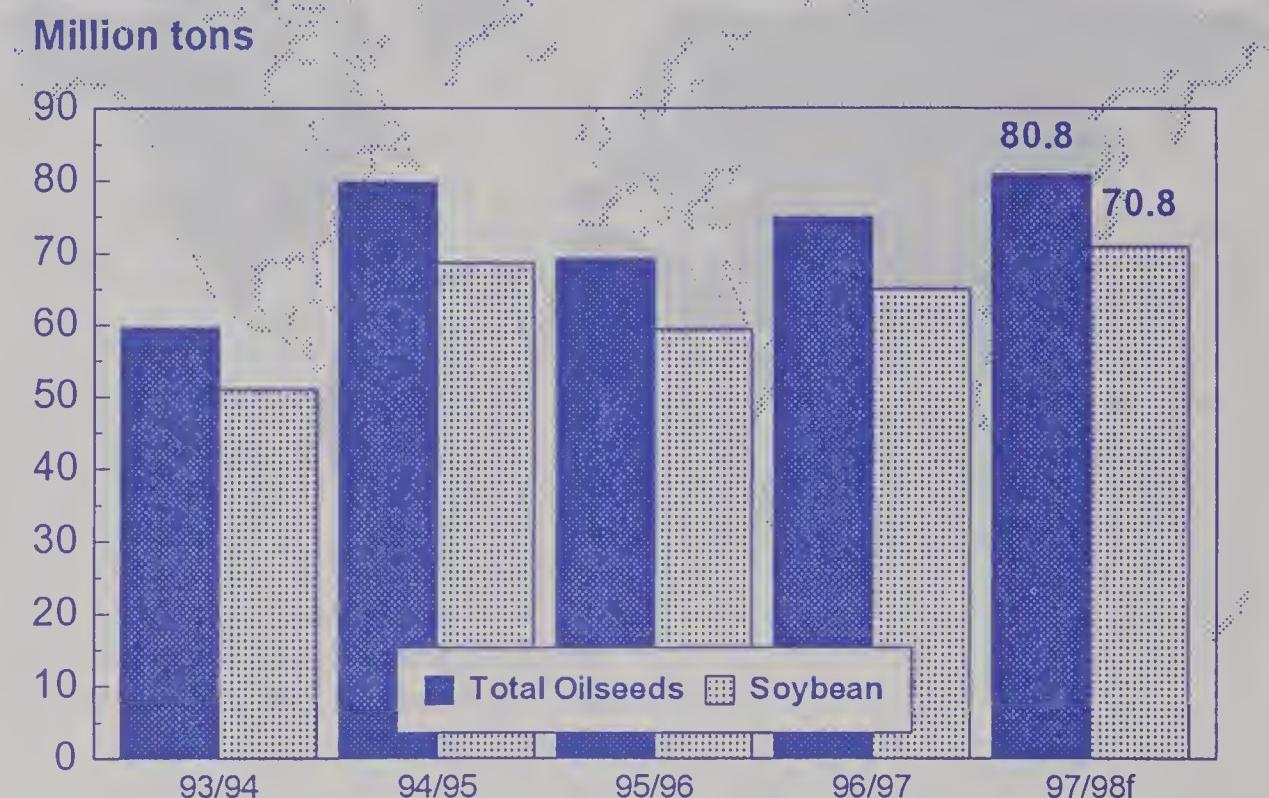
With a projected 15.2 million-ton gain in world oilseed production and a total foreign oilseed crop that will likely outweigh a modest increase in foreign demand, downward pressure will be placed on U.S. and world oilseed prices. U.S. soybean prices are projected to range between \$5.50 to \$7.00 per bushel. Soybean meal prices are projected at between \$190 to \$225 per short ton, and soybean oil prices between 22.0 and 26.0 cents per pound.

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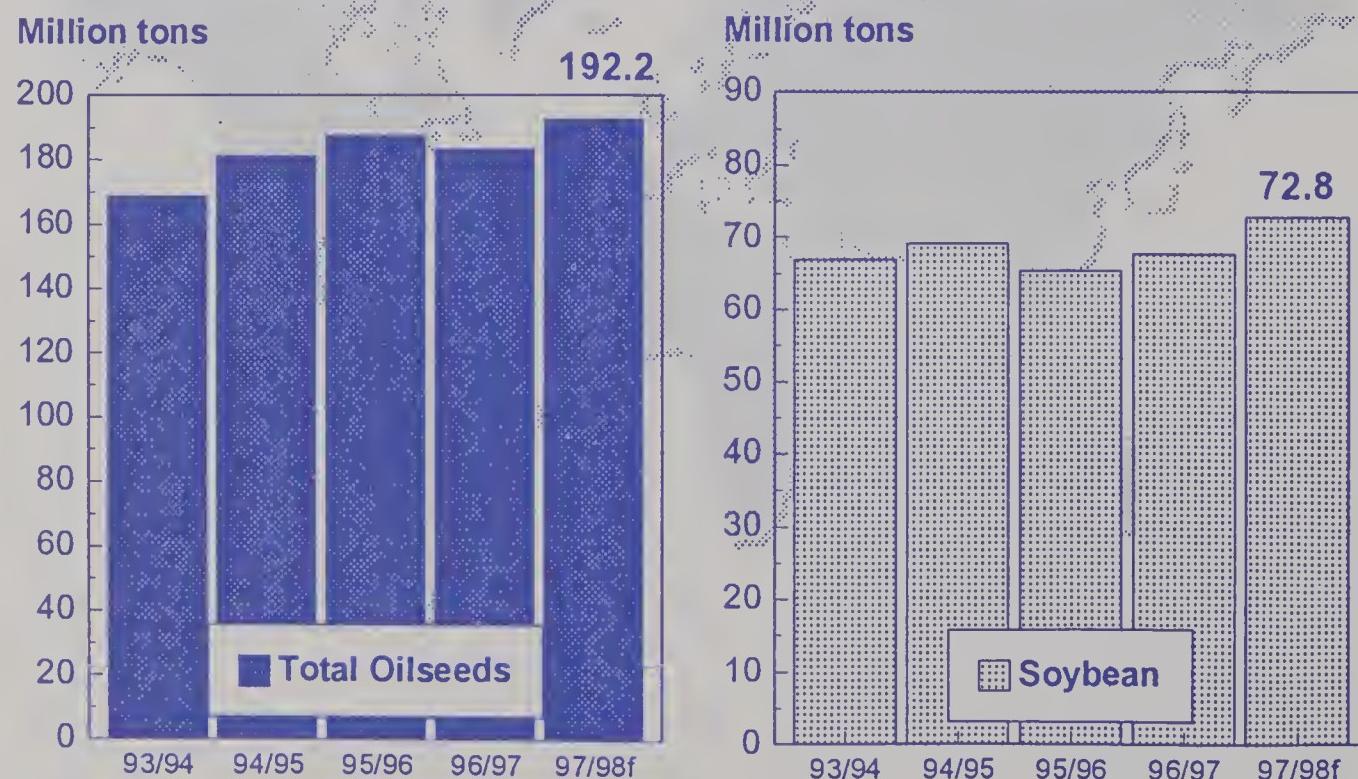
## Total U.S. Oilseed Production Up 6.0 Million Tons from 1996/97

Soybean output is forecast to be a record, slightly above the crop of 1994/95.



## Total Foreign Oilseed Production is Forecast at a Record 192.2 Million Tons in 1997/98.

Soybean output is forecast at a record. While less than 40 percent of the total foreign oilseed output, soybean accounts for 70 percent of the increase.



## EUROPEAN UNION GRAIN PRODUCTION

Total grain production (excluding rice) in the European Union (EU) for 1997/98 is projected at 199.8 million tons, down 1 percent from last year's record crop of 202.7 million. Overall, grain yields are forecast lower for 1997/98 with an average yield of 5.34 tons per hectare compared with last year's record yield of 5.56. The 1997/98 harvested area is forecast at 37.4 million hectares, up 3 percent from last season. Though production is estimated lower for 1997/98, it would still represent the EU's second-largest crop.

EU grain yields for 1997/98 are forecast lower due to a number of factors. Weather to date has not been as favorable as last year, especially in Spain, Portugal, and Italy. Furthermore, the overall quality of land returning to production as a result of the reduction in set-aside will be a factor lowering average yields. In addition, a slight increase in area planted to lower-yielding spring varieties in some EU areas is expected because of weather-related delays in planting last fall. Planting delays because of excessive rainfall were reported in eastern Germany, Italy, and Spain.

Though EU grains yields are projected lower in 1997/98, the yield trend is upward. The tendency of producers in the EU to move towards higher-yielding feed-wheat varieties is continuing. This is encouraged by the ability of flour manufacturers to use wheat gluten to achieve needed protein levels in their flour. However, growers of malting-quality barley are being paid substantial premiums for their crops.

Spain experienced a serious drought from January to April 1997, and prospective grain production is down 4.7 million tons from last year's unusually large level, to 15.5 million. Portugal suffered from the same drought and is expected see a drop in production of 6 percent, to 1.3 million tons. Dry conditions in southern France and southern Italy during the same time period are expected to reduce durum wheat yields. Dryness across the bread-wheat growing areas of the United Kingdom and France was not severe and rains beginning the week of April 27 have improved conditions. Weather across Germany has been mostly favorable, and yield is projected to be similar to last year and allowing production to increase as harvested-area increases. However, the EU's final crop size can vary substantially because of weather factor over the next few months.

The mandatory set-aside rate for the EU 1997/98 grain crop has been reduced to 5 percent from 10 percent in 1996/97. Nevertheless, harvested-area is expected to increase only 3 percent. Much of the remaining land will be put into voluntary set-aside rather than into production because of attractive compensation levels.

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TABLE 23

## EUROPEAN UNION GRAIN PRODUCTION

	Area Harvested			Production		
	Prel. 1995/96	Proj. 1996/97	1997/98	Prel. 1995/96	1996/97	Proj. 1997/98
Total Grains Less Rice	(Thousand hectares)			(Thousand metric tons)		
Austria	788	830	852	4,363	4,500	4,750
Belgium-Luxembourg	335	336	346	2,274	2,474	2,424
Denmark	1,471	1,545	1,609	9,020	9,537	9,680
Finland	976	1,078	1,115	3,328	3,808	3,965
France	8,167	8,677	8,930	52,780	61,555	60,465
Germany	6,527	6,707	7,040	39,864	42,136	43,800
Greece	1,086	1,061	1,092	3,220	3,465	3,610
Ireland	270	287	308	1,767	2,021	1,910
Italy	3,983	3,967	3,928	18,015	19,422	19,470
Netherlands	191	201	203	1,497	1,652	1,710
Portugal	621	597	620	1,207	1,389	1,305
Spain	5,947	6,613	6,575	10,625	20,273	15,525
Sweden	1,101	1,195	1,221	4,755	5,990	5,642
United Kingdom	3,174	3,352	3,573	21,823	24,470	25,590
EU-15	34,637	36,446	37,412	174,538	202,692	199,846
Barley						
Austria	229	260	270	1,065	1,083	1,250
Belgium-Luxembourg	68	70	70	427	400	400
Denmark	716	790	820	3,864	4,190	4,200
Finland	516	543	575	1,764	1,959	2,100
France	1,393	1,527	1,600	7,739	9,500	9,500
Germany	2,109	2,208	2,300	11,891	12,074	12,500
Greece	155	148	150	410	385	390
Ireland	181	184	190	1,084	1,175	1,050
Italy	381	340	300	1,387	1,300	1,100
Netherlands	36	36	37	203	235	240
Portugal	51	41	40	53	58	40
Spain	3,300	3,530	3,500	5,200	9,600	7,000
Sweden	445	459	480	1,793	2,113	2,000
United Kingdom	1,192	1,267	1,330	6,833	7,770	8,000
EU-15	10,772	11,403	11,662	43,713	51,842	49,770

TABLE 23, continued

## EUROPEAN UNION GRAIN PRODUCTION

	Area Harvested			Production		
	Prel. 1995/96	Proj. 1996/97	Proj. 1997/98	1995/96	Prel. 1996/97	Proj. 1997/98
Corn	(Thousand hectares)			(Thousand metric tons)		
Austria	173	200	200	1,473	1,734	1,700
Belgium-Luxembourg	25	25	25	219	220	220
France	1,623	1,696	1,700	12,349	14,212	14,000
Germany	325	372	390	2,395	2,913	3,000
Greece	103	125	130	950	1,310	1,300
Italy	942	1,013	1,050	8,454	9,600	10,000
Netherlands	9	11	12	63	87	95
Portugal	176	200	200	700	800	800
Spain	351	435	450	2,500	3,700	3,600
Sweden	3	3	3	10	10	10
EU-15	3,730	4,080	4,160	29,113	34,586	34,725
Millet						
France	5	5	5	15	15	15
Mixed Grain						
Austria	12	31	32	49	141	140
Belgium-Luxembourg	10	10	10	60	60	60
Denmark	3	3	4	7	7	20
Finland	9	14	10	30	42	35
France	160	190	200	750	875	950
Germany	344	422	520	1,873	2,407	3,000
Netherlands	2	3	3	13	15	15
Spain	30	35	35	15	80	80
Sweden	75	94	95	270	455	450
United Kingdom	8	8	8	40	40	40
EU-15	653	810	917	3,107	4,122	4,790

TABLE 23, continued

## EUROPEAN UNION GRAIN PRODUCTION

	Area Harvested			Production		
	Prel.	Proj.		Prel.	Proj.	
	1995/96	1996/97	1997/98	1995/96	1996/97	1997/98
(Thousand hectares)			(Thousand metric tons)			
Oats						
Austria	41	41	45	161	152	160
Belgium-Luxembourg	9	8	8	38	32	32
Denmark	32	24	20	168	140	100
Finland	329	374	385	1,097	1,261	1,300
France	149	141	130	617	622	550
Germany	309	302	300	1,421	1,606	1,500
Greece	40	40	45	70	70	80
Ireland	18	18	18	100	110	110
Italy	135	141	130	301	354	300
Netherlands	3	2	4	16	11	20
Portugal	73	68	70	58	66	65
Spain	300	410	410	216	650	550
Sweden	273	278	290	947	1,200	1,100
United Kingdom	110	96	100	615	595	525
EU-15	1,821	1,943	1,955	5,825	6,869	6,392
Rye						
Austria	77	51	55	314	151	200
Belgium-Luxembourg	3	3	3	10	12	12
Denmark	100	78	75	500	370	360
Finland	21	35	30	58	87	80
France	47	49	50	198	225	200
Germany	861	809	830	4,521	4,214	4,300
Greece	18	18	17	40	40	40
Italy	8	8	8	20	20	20
Netherlands	7	7	7	35	35	40
Portugal	62	60	60	36	51	50
Spain	160	170	170	174	295	250
Sweden	45	33	33	203	182	182
United Kingdom	5	5	5	25	25	25
EU-15	1,414	1,326	1,343	6,134	5,707	5,759
Sorghum						
France	40	45	45	250	250	250
Italy	35	40	40	200	250	250
Spain	6	10	10	20	48	45
EU-15	81	95	95	470	548	545

TABLE 23, continued

## EUROPEAN UNION GRAIN PRODUCTION

	Area Harvested			Production		
	Prel. 1995/96	Prel. 1996/97	Proj. 1997/98	Prel. 1995/96	Prel. 1996/97	Proj. 1997/98
	(Thousand hectares)			(Thousand metric tons)		
Wheat						
Austria	256	247	250	1,301	1,239	1,300
Belgium-Luxembourg	220	220	230	1,520	1,750	1,700
Denmark	620	650	690	4,481	4,830	5,000
Finland	101	112	115	379	459	450
France	4,750	5,024	5,200	30,862	35,856	35,000
Germany	2,579	2,594	2,700	17,763	18,922	19,500
Greece	770	730	750	1,750	1,660	1,800
Ireland	71	85	100	583	736	750
Italy	2,482	2,425	2,400	7,653	7,898	7,800
Netherlands	134	142	140	1,167	1,269	1,300
Portugal	259	228	250	360	414	350
Spain	1,800	2,023	2,000	2,500	5,900	4,000
Sweden	260	328	320	1,532	2,030	1,900
United Kingdom	1,859	1,976	2,130	14,310	16,040	17,000
EU-15	16,161	16,784	17,275	86,161	99,003	97,850

May 1997

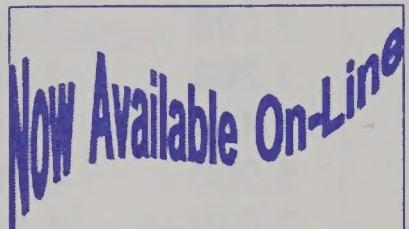
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